W-4477 - DEVELOPMENT BANK OF SINGAPORE LTD. - 1 WTC - 90TH FLOOR - GENERAL ALTERATIONS TO EXISTING SPACE

WTC1-41-P

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY

M E M O R A N D U M

To: Mr. Julian Kau, General Manager,
Planning, Design & Construction, WT&ED
From: Ennala Ramabhushanam
Date: June 11, 1990
Subject: **WTC - ALTERATION APPLICATION NUMBER W-4477 - DEVELOPMENT BANK OF SINGAPORE LTD. - 1 WTC, 90TH FLOOR - GENERAL ALTERATIONS TO EXISTING SPACE**

Reference: Review Request dated 5/30/90

Copy To: G. Gaeta R. Wegel Job Folder
L. Menno Chrono Folder

A review of the material submitted with the referenced request for the subject application has been made.

The previous recommendation of approval to proceed with construction remains unchanged subject to the submission of the items listed below being revised in accordance with the three (3) requirements listed on the attached rider.

Drawings:

REMARKS: 1) The following drawings are recommended for approval:

Title Sheet		
EX-1	issued	05/01/90
A-1	issued	04/05/90
A-2	issued	02/05/90
F-1	issued	04/05/90
E-1	revised	05/15/90
E-2	revised	05/15/90
P-1	revised	05/15/90
M-1	revised	05/15/90

2) This memorandum was transmitted to the Facility via OA on June 11, 1990.

Ennala Ramabhushanam, P.E.
Manager
Quality Assurance Division

JSP/dm
att.

RIDER

ALTERATION APPLICATION NUMBER W-4477

ELECTRICAL

1. Dwg. E-2, Specifications, Section 11. Specify non-PVC wire type for the cable type AC ("BX"), in addition to the note forbidding the use of PVC in the BX cable assembly. (Modified repeat comment)

2. Dwg. E-1, Power Supply Diagram. Revise the diagram to remove the "#10 ground" wire shown between new panel EP-3 and feeder to 30/20A switch, with several intermediate connections. Transformer (9.5 kVA) secondary system shall be grounded as per NEC 250-26, indicating grounding electrode and bonding jumper. (Modified repeat comment)

3. Dwg. E-1, Room Number 4. See Dwg. F-1 where Room Number 4 is identified as "Storage Room;" please clarify since note on Dwg. E-1 indicates the opposite. Also, on same Dwg. F-1, an "existing telephone panel" is shown in Room Number 4, which is not permitted by N.Y.C. Electrical Code Bulletin 119-1970. Also, see Bulletin 105: "electric closets shall not be used in any way for storage purposes." (Modified repeat comment).

061190

5/31

TENANT ALTERATION REVIEW REQUEST

ROUTING	ROOM NO.
Quality Assurance	51N
✓ Paul Cooper	
In House	74
Rick Sorvillo	
✓ Charlie Semah	
Suren Batra	
WT&EDD Construction	3861
Operations	B-2B
Tom Cancelliere	
Risk Management	
John Foye (PATHSIDE)	4 FL
Asbestos	JSTC
Joseph Mullen	

Applicant's Name: DEVELOPMENT BANK OF SINGAPORE

Facility: WTC

Dwg. No(s).: SEE ATTACHED

T.A.A. No.: W-4477

Contract No.: 591.891

Location: #1WTC - 90FL.

Date: 5.30.90

__Please review attached Application and forward comments to:

__Attached are revised drawings. Please review.

Org. Unit	Contact	Rm. No.	Ext.
829	J. PICONE	74S	313-2002

NOT LATER THAN: JUNE 14, 1990

R. WEGEL
supervisor

If no reply is received by above date, your concurrence will be assumed unless arrangements have been made for addition

Description of Work:

Construction Cost: 40,000.00

General Construction

- [x] Architectural
- [x] Electrical
- [x] HVAC
- [ ] Structural
- [x] Plumbing
- [ ] Sprinkler
- [ ] Other _____

Submission No. 3

GENERAL ALTERATIONS TO EXISTING SPACE

THE PORT AUTHORITY OF N.Y. & N.J.
TENANT CONSTRUCTION REVIEW UNIT
RECEIVED
MAY 31 1990
ALTERATION APPLICATION

office copy

W-4477 (3)

cc: C. Bianchi, E. Daly, J. Kau, A. Preschle, J. Urinyi, G. Wenger, R. Wegel, ,
Project Coordinator J. PICONE

Signature	Title	Date
FOR	Manager, Contract and Tenant Services Division	5-30-90

2/

DEVELOPMENT BANK OF SINGAPORE
LIST OF CONTRACT DRAWINGS - SUBMITTAL # 3
WTC - 591.891
TAA # 4477

DWG. NO	REV #	DATE	TITLE
EX-1	1	5.1.90	EXIST. CONDITIONS & DEMO. PLAN
A-1	1	4.5.90	CONST. PLAN
A-2	-	2.5.90	REFLECTED PLAN
F-1	1	4.6.90	FURNITURE / ELECT. & TEL.
E-1	1	5.15.90	—
E-2	1	"	—
M-1	1	"	—
P-1	1	"	—

DRAWINGS EX-1 TO F-1 PREPARED BY PICO (U.S.A.) INC.

DRAWINGS E-1 TO P-1 PREPARED BY VS ASSOC.

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY

M E M O R A N D U M

To: Mr. Julian Kau, General Manager,
Planning, Design & Construction, WT&ED
From: Ennala Ramabhushanam
Date: May 4, 1990
Subject: **WTC - ALTERATION APPLICATION NUMBER W-4477 - DEVELOPMENT BANK OF SINGAPORE LTD. - 1 WTC, 90TH FLOOR - GENERAL ALTERATIONS TO EXISTING SPACE**

Reference: Review Request dated 4/23/90

Copy To: M. LoPresti — Job Folder
L. Menno — R. Wegel — Chrono Folder

A review of the material submitted with the referenced request for the subject application has been made.

The previous recommendation that approval to proceed with construction be withheld, has been changed to recommending that approval to proceed with construction be given subject to the submission of the items listed below being revised in accordance with the eight (8) requirements listed on the attached rider.

Drawings:

REMARKS: 1) The following drawings are recommended for approval.

Title Sheet		
EX-1	issued	02/05/90
A-1	issued	04/05/90
A-2	issued	02/05/90
F-1	issued	04/05/90
E-1	undated	
E-2	undated	
P-1	undated	
M-1	undated	

2) This memorandum was transmitted to the Facility via OA on May 4, 1990.

Ennala Ramabhushanam, P.E.
Manager
Quality Assurance Division

JSP/dm
att.

RIDER

ALTERATION APPLICATION NUMBER W-4477

ARCHITECTURAL

1. General Note: All test certifications for materials shall be submitted by the tenant, and not the contractor as stated on the drawings.

ELECTRICAL

2. Dwg. E-2, Specifications, Section Number 11. Specify cable type AC ("BX"). Cable assembly shall not contain PVC.

3. Dwg. E-1. Electrical closets or rooms shall not be used for storage purposes (Room Number 4). See New York City Electrical Code Bulletins Number 105 and 119.

4. Dwg. E-1, Power Supply Diagram. Separately derived AC system formed by the 9.5 kVA transformer shall be grounded as per NEC 250-26, New York City Code B30-94.0-b.3, -96.0 and 97.0.

HVAC

5. Dwg. M-1, Specific Notes A, B, and C. Show all the works on the plan as indicated by the notes; i.e., ceiling mounted distribution devices, air quantities, ducts, etc. See New York City Building Code Section C26-116.3(a).3.

6. Dwg. M-1. Provide index for ventilation for each room or space by using the new design population as shown on Dwg. F-1. New York City Building Code, Section C26-116.3(a)(3).

PLUMBING

7. All waste and vent piping shall be ASTM 120 galvanized steel with galvanized cast iron ANSI B.16.12, 125 lb. class screwed fittings. No-Hub piping is not permitted at the World Trade Center. World Trade Center requirements.

8. Domestic hot and cold water piping shall be Type TP copper tubing with bronze fittings and brazed joints. Port Authority requirement.

4/23

TENANT ALTERATION REVIEW REQUEST

ROUTING	ROOM NO.
Quality Assurance Paul Cooper	51N
In House Rick Sorvillo Charlie Semah, ~~Suren Patra~~ Vic Levinson	74
WT&EDD Construction	3861
Operations Tom Cancelliere	B-2B
Risk Management John Foye (PATHSIDE)	4 Fl
Asbestos Joseph Mullen	JSTC

Applicant's Name: DEVELOPMENT BANK OF SINGAPORE

Facility: WTC

Dwg. No(s).: SEE ATTACHED

T.A. No.: W- 4477

Contract No.: 591.891

Location: # 1 WTC 90 Fl. | Date: 4-23-90

___ Please review attached Application and forward comments to:

___ Attached are revised drawings. Please review.

Org. Unit	Contact	Rm. No.	Ext.
829	J. PICONE	74S	313-2002

NOT LATER THAN: MAY 4, 1990 ____ supervisor

If no reply is received by above date, your concurrence will be assumed unless arrangements have been made for additional time.

Description of Work:

Construction Cost: 40,000.00

General Construction

☐ Architectural ☐ Electrical ☐ HVAC Submission No. 2

☐ Structural ☐ Plumbing ☐ Sprinkler

☐ Other _____

GENERAL ALTERATIONS TO EXISTING SPACE

ALSO ATTACHED ① LETTER CAPOLINO / LOPRESTI DATED 4-9-90

② LETTER CAPOLINO / LOPRESTI; DATED 4-18-90

THE PORT AUTHORITY OF N.Y. & N.J.
TENANT CONSTRUCTION REVIEW UNIT
RECEIVED
APR 23 1990
W-4477 ②
ALTERATION APPLICATION

office copy

cc: C. Bianchi, E. Daly, J. Kau, M. LoPresti, T. O'Connor, A. Preschle, G. Wenger, R. Wegel, Project Coordinator J. PICONE

	Title	Date
J. Mann	Manager, Contract and Tenant Services Division	4/23/90

2/20/90

B. R. Fries & Associates Inc., Design & Constructors, 34 West 32nd Street, New York, New York 10001/212 563-3300

April 9, 1990

Mr. Michael Lo Presti
The Port Authority of New York & New Jersey
One World Trade Center
New York, New York 10048

Re: 03/05/90 Alteration Application # W4477 Rider
Space # 9057, Bank of Singapore

Dear Mr. Lo Presti:

Superseding Memo, March 5, 1990:

Comment # 1 — Drawing A-2, Carpet. Tenant shall provide certification from an independent testing laboratory verifying carpet compliance with flammability and smoke development limitation prescribed in N.Y.C. Building Code Section C26-504.13(d) using ASTM listed in RS-5-20 of the Code.

Response — Americraft Network 22.
Carpet rating Class I
ASTM 648 approved.
ASTM E662 approved
FF1 - Passed
(See attached Testing Report)

THE PORT AUTHORITY OF N.Y. & N.J.
TENANT CONSTRUCTION REVIEW UNIT
Office Copy
RECEIVED
APR 23 1990
W-4477 ③
ALTERATION APPLICATION

Comment # 2 — Drawing A-2. Submit for approval BS&A or MEA numbers for hardwood flooring.

Response — BSA&/ MEA # LPR 100418 is applicable for Permagrin Hardwood parquet flooring.

Comment # 3 — Drawing A-2. Glass entrance doors subject to human impact loads shall be in compliance with N.Y.C. Building Code Section C26-1011.9. Also, doors and fixed adjacent glass sidelight shall have markings in accordance with BS&A 501-68SR.

Response — Glass entrance doors shall be 1/2" tempered glass. Owner is presently designing stickers with logo of D.B.S. for placement on sidelights and doors.

Comment # 4 — Drawing F-1. Establish the applicable interior finish requirement class, flame spread rating, smoke developed rating and toxicity. See N.Y.C. Building Code Section C26-504.10 (b), (d) and (e) Table 5-4.

Response

Model #	Flame Spread	Smoke Development
6592	10	5
6540	10	5
07WMD02	5	25

Comment # 5 — Submit Electrical, H.V.A.C. and Plumbing drawings for review.

Response — Enclosed find please four (4) copies of drawings, P-1 (Plumbing); M-1 (H.V.A.C.); E-1 (Electrical); E-2 (Specifications/Schedule).

I await your comments and approval to commence work.

Very truly yours,

B. R. FRIES & ASSOCIATES INC.

K. Capolino 1/24

Kelly Capolino
Project Manager

KC/gs

cc: Barry Fries
Wayne Sholl
Alex Levine

Enclosures

WESTPORT
WALLCOVERINGS

142 ELM STREET, HATFIELD, MA 01038
413-247-5623 • FAX: 413-247-5265

FACSIMILE MESSAGE LEAD SHEET

DATE: 4/5/90

ATTENTION OF: Kelly Capolino

FAX #
TELEPHONE: 212-629 6029

COMPANY NAME: B. R. Iris

OF PAGES TO FOLLOW THIS LEAD SHEET 1

FROM: Elmer Haas
WESTPORT WALLCOVERINGS, INC. HATFIELD, MA.

COMMENT: Following is taxi cutting information I believe you need.

Please let me know if you need anything further.

WESTPORT
WALLCOVERINGS

142 ELM STREET, HATFIELD, MA 01038
413-247-5623 • FAX: 413-247-5265

April 2, 1990

B. R. Fries
34 West 32nd St.
New York, NY 10001

JOB. REF: DBS

Attention: Kelly Capolino

Dear , Model #

By way of this memo ~~and the attached test report, ( )~~, we certify that the flame characteristics of wallcovering pattern # :

	6592 6540	07WMD02
Flame spread	10	5
Smoke developed	5	25

Production samples of the above wallcovering type were submitted to United States Testing Company of New Jersey for testing in accordance with the ASTM E-84-84 Tunnel Test.

These test results comply with the flame spread and smoke generation requirements of Federal Specification CCC-W408B.

Please contact me if you have any further questions.

Sincerely,

George J. Bean
Manager, Research & Developement

GJB/dp

Requested by Fries as the Owner Co.

FORM MEA 12 (REV. 1/87)

The City of New York

DEPARTMENT OF BUILDINGS

EXECUTIVE OFFICES
60 HUDSON STREET, NEW YORK, NY 10013

CHARLES M. SMITH, Jr., R.A., Commissioner
312-8100

February 20, 1990

Sandy Walsh

Decorative Coverings, INc.

142 Elm St.,

Hatfield, MA 01038

☐ We acknowledge receipt of your application for:

472-89-M	Vol.III	Type I Lightweight vinyl wallcoverings 7-13 oz./square yard.
472-89-M	Vol.IV	Type I Lightweight vinyl wallcoverings 7-13 oz./square yard. additional fabric styles.
473-89-M	Vol.III	Type II Medium weight vinyl wallcoverings 13-21 oz./sq. yard
473-89-M	Vol.IV	Type II Medium weight vinyl wallcoverings 3-21 oz./ sq. yard additional fabric styles.

☐ Your application has been assigned file number See Above. Kindly refer to this file number in any future correspondence to this Division and also enter in the upper right box of the MEA-2 form you send to the laboratory.

☐ We acknowledge receipt of your letter dated _____ in reference to MEA _____.

☐ Other.

Marvin Hassman, P.E.

Marvin Hassman, P.E., Dir.
MATERIALS AND EQUIPMENT ACCEPTANCE DIVISION
60 Hudson Street, New York, New York 10013

Citadel Carpet Mills, Inc.
P O. BOX 2583 DALTON, GEORGIA 30720 404-226-0531

Office Of The President

SPECIFICATIONS

	NETWORK 22	NETWORK 26
FACE WEIGHT:	22 oz.	26 oz.
FIBER:	100% Advanced Generation BCF Nylon	100% Advanced Generation BCF Nylon
YARN:	3900/3 ply	3900/3 ply
DYE METHOD	Yarn Dyed	Yarn Dyed
GAUGE:	1/10	1/10
CONSTRUCTION:	Level Loop	Level Loop
STITCHES:	10	11
DYE PROCESS:	Yarn Dyed	Yarn Dyed
PILE HEIGHT:	.125	.156
PRIMARY BACKING:	Polypropylene	Polypropylene
SECONDARY BACKING:	Action Bac	Action Bac
TOTAL WEIGHT:	58 oz.	62 oz.
ANTISTAT:	Permanent	Permanent
FLAMMABILITY:	Class 1 Radiant Panel	Class 1 Radiant Panel

Independent Textile Testing Service, Inc.

P.O. Box 1948 / 1503 Murray Avenue
Dalton, Georgia 30722-1948 / Phone 404-278-3013

REPORT

CUSTOMER: Citadel CArpet Mills, Inc. January 27, 1987

SUBJECT. Specimens of the submitted samples were prepared and tested in accordance with ASTM E-648 and/or Federal Test Method 372. NFPA 253

FLOORING RADIANT PANEL TEST

Sample Description

Style: NF39 26 oz. Network
Color: Blanket
Roll No.: 43002
Fiber:
Pile:
Secondary Backing: Action Bac

Test Assembly

Mounted on Transite

Test Results	Specimen No. 1		Specimen No. 2		Specimen No.3	
Critical Radiant Flux:	.95	watts/cm²	.97	watts/cm²	.94	watts/cm²
Total Burn Length.	16.0	cm.	15.0	cm.	17.0	cm.
Flame Front Out:	12.0	minutes	14.0	minutes	16.0	minutes

Average Critical Radiant Flux:	.95	watts/cm²
Estimated Standard Deviation	.02	watts/cm²
	2%	coefficient of variation

Ex VP Hamm Jr
Authorized Signature
INDEPENDENT TEXTILE TESTING SERVICE, INC.

Our letters and reports are for the exclusive use of the customer to whom they are addressed, and their communication to any others or the use of the name of Independent Textile Testing Service, Inc., must receive our prior written approval. Our letters and reports apply only to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar products. The reports and letters and the name of the Independent Textile Testing Service, Inc., are not to be used under any circumstances in advertising to the general public.

1-400

Independent Textile Testing Service, Inc.

TEST NUMBER

7812

CUSTOMER: CITADEL CARPET MILLS, INC. January 29, 1987

SUBJECT: Specimens of the submitted samples were prepared and tested in accordance with the procedures proposed by the National Bureau of Standards, Technical Note 708 and NFPA 258, ASTM E-662.

SMOKE DENSITY TEST (NBS)

Operating Conditions

Radiometer Reading: 7.7 mv; Irradiance: 2.5 watts cm² G Factor: 132

Thermal Exposure: Flaming

Furnace Voltage: 102

Burner Fuel: Propane

Sample Description

Style: NF 39 26 oz. Network

Color: Blkt.

Roll No.:

Fiber:

Pile:

Test Results	#1	#2	#3	Avg.
Chamber Temperature, °F. (start)	95	95	95	
Chamber Pressure	Maintained positive, under 3" H_2O			
Min. Transmittance (TM), %	76%	46%	74%	
at, minutes	4.00	5.80	6.25	5.35
Max. Spec. Opt. Density (DM)	148	177	149	158
Clear Beam, (DC)	17	15	15	16
DM, CORRECTED (DMC)	131	162	134	142
Spec. Opt. Density at 1.5 min.	60	25	50	45
Spec. Opt. Density at 4.0 min.	148	157	132	146
Time to 90% DM, minutes	2.50	4.10	4.75	3.78
Time to DS = 16, minutes	0.90	1.40	1.25	1.18

Ex VP Harry M Fry

INDEPENDENT TEXTILE TESTING SERVICE, INC.
P.O. Box 1948 • 1503 Murray Ave. • Dalton, Georgia 30722-1948 • Phone 404-278-3013

Our letters and reports are for the exclusive use of the customer to whom they are addressed, and their communication to any others or the use of the name of Independent Textile Testing Service, Inc., must receive our prior written approval. Our letters and reports apply only to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar products. The reports and letters and the name of the Independent Textile Testing Service, Inc., are not to be used under any circumstances in advertising to the general public.

B. R. Fries & Associates Inc., Design...s & Constructors, 34 West 32nd Street, Ne... ork, New York 10001/212 563-3300

April 18,1990

Mr. Michael Lo Presti
The Port Authority of New York & New Jersey
One World Trade Center
New York,New York 10048

Re: 04/09/90Review Comments
Alteration Application # W4477 Rider
Space # 9057, Bank of Singapore
T.A.A. #4477

Dear Mr. Lo Presti:

In response to your April 09,1990 letter to Mr. Darek Shapiro please accept the following :

Comment #1. "Verify that applied loads do not exceed the structural capacity of the existing floor system; specifically storage areas 3 and 4 and in areas where files will be placed."

Response Storage areas are existing and configuration of same shall remain as is.

Comment #2 "If floors are to be cored for power, telephone, or communications indicate location and size and conform to requirements in Rider "C".

Response No floor areas are to be cored.

Comment #3 "Supply details of HVAC work as noted in specification 7, for approval.
Verify adequacy of support system if units are to be hung.

Response HVAC details were supplied with our April 09,1990 submittal.

In addition please note that at the request of Mr. Picone - eight (8) complete sets of architectural and engineering drawings were submitted to you directly on April 16, 1990. Included within this submission are two (2) copies of "Tenant Construction or Alteration Application" signed as per your direction and an Insurance Certificate.

I await your notice to proceed with construction.

Sincerely,

Kelly Capolino
B.R.Fries & Assoc. Inc.

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY

S U P E R S E D I N G
M E M O R A N D U M

To: Mr. Julian Kau, General Manager,
Planning, Design & Construction, WT&ED
From: Ennala Ramabhushanam
Date: March 5, 1990
Subject: **WTC - ALTERATION APPLICATION #W-4477 - DEVELOPMENT OF SINGAPORE LTD. - 1 WTC - 90TH FLOOR - GENERAL ALTERATIONS TO EXISTING SPACE**

Reference: Review Request dated 2/16/90

Copy To: M. LoPresti, L. Menno, T. O'Connor, R. Wegel, Job Folder, Chrono Folder

A review of the material submitted with the referenced request for the subject application has been made.

It is recommended that approval to proceed with construction be withheld subject to the submission of the items listed below being revised in accordance with the five (5) requirements listed on the attached rider.

Drawings:

Specifications:

REMARKS: 1) This memorandum supersedes the memorandum Ramabhushanam/Kau, dated March 2, 1990.

2) This memorandum was transmitted to the Facility via OA on March 5, 1990.

Ennala Ramabhushanam, P.E.
Manager
Quality Assurance Division

JSP/dm
att.

RIDER

ALTERATION APPLICATION #W-4477

ARCHITECTURAL

1. Dwg. A-2, Carpet. Tenant shall provide certification from an independent testing laboratory verifying carpet compliance with flammability and smoke development limitation prescribed in N.Y.C. Building Code Section C26-504.13(d) using ASTM listed in RS 5-20 of the Code.

2. Dwg. A-2. Submit for approval BS&A or MEA numbers for hardwood parquet flooring.

3. Dwg. A-2. Glass entrance doors subject to human impact loads shall be in compliance with N.Y.C. Building Code Section C26-1011.9. Also, doors and fixed adjacent glass sidelight shall have markings in accordance with BS&A 501-68SR.

4. Dwg. F-1. Establish the applicable interior finish requirement class, flame spread rating, smoke developed rating and toxicity. See N.Y.C. Building Code Section C26-504.10(b), (d) and (e) and Table 5-4.

*5. Submit electrical, HVAC and plumbing drawings for review.

030590

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY

M E M O R A N D U M

To: Mr. Julian Kau, General Manager,
Planning, Design & Construction, WT&ED
From: Ennala Ramabhushanam
Date: March 2, 1990
Subject: **WTC - ALTERATION APPLICATION #W-4477 - DEVELOPMENT OF SINGAPORE LTD. - 1 WTC - 90TH FLOOR - GENERAL ALTERATIONS TO EXISTING SPACE**

Reference: Review Request dated 2/16/90

Copy To: M. LoPresti, L. Menno, T. O'Connor, R. Wegel, Job Folder, Chrono Folder

A review of the material submitted with the referenced request for the subject application has been made.

It is recommended that approval to proceed with construction be given subject to the submission of the items listed below being revised in accordance with the five (5) requirements listed on the attached rider.

Drawings:

Specifications:

REMARKS: 1) The following drawings, dated 2/5/90, are recommended for approval:

Title Sheet, EX-1, A-1, A-2 and F-1

2) This memorandum was transmitted to the Facility via OA on March 2, 1990.

Ennala Ramabhushanam, P.E.
Manager
Quality Assurance Division

JSP/dm
att.

2/5/L

RIDER

ALTERATION APPLICATION #W-4477

ARCHITECTURAL

1. Dwg. A-2, Carpet. Tenant shall provide certification from an independent testing laboratory verifying carpet compliance with flammability and smoke development limitation prescribed in N.Y.C. Building Code Section C26-504.13(d) using ASTM listed in RS 5-20 of the Code.

2. Dwg. A-2. Submit for approval BS&A or MEA numbers for hardwood parquet flooring.

3. Dwg. A-2. Glass entrance doors subject to human impact loads shall be in compliance with N.Y.C. Building Code Section C26-1011.9. Also, doors and fixed adjacent glass sidelight shall have markings in accordance with BS&A 501-68SR.

4. Dwg. F-1. Establish the applicable interior finish requirement class, flame spread rating, smoke developed rating and toxicity. See N.Y.C. Building Code Section C26-504.10(b), (d) and (e) and Table 5-4.

5. General note: Submit electrical, HVAC and plumbing drawings for review.

030290

No. of Copies

2/20

TENANT ALTERATION REVIEW REQUEST

No. of Copies	ROUTING	ROOM NO.
	Quality Assurance	51N
✓	Paul Cooper	
	In House	74
✓	[redacted] SORVILLO	
✓	Charlie Semah	
✓	Suren Batra	
	WT&EDD Construction	3861
✓	P. CAVANAGH	
	Operations	B-2B
✓	Tom Cancelliere	
	Risk Management	
✓	John Foye (PATHSIDE)	4 Fl
	Asbestos	JSTC
	Joseph Mullen	

Applicant's Name: DEVELOPMENT BANK OF SINGAPORE LTD

Facility: WTC #1 90th FLOOR

Dwg. No(s).: EX-1 DATED 12-7-89; A-1 " 2-5-90; A-2 " "; E-1 " "

T.A.A. No.: W-4477

Contract No.: 591891

Location: 1WTC - 90

Date: 2-16-90

___ Please review attached Application and forward comments to:

___ Attached are revised drawings. Please review.

Org. Unit	Contact	Rm. No.	Ext.
829	J. PICONE	74 S	313-2002

NOT LATER THAN: MARCH 2, 1990

M. LOPRESTI, supervisor

If no reply is received by above date, your concurrence will be assumed unless arrangements have been made for additional time.

Description of Work:

Construction Cost: 40,000.00

GENERAL ALTERATIONS TO EXISTING SPACE (SUBMISSION #1)

ALSO ATTACHED PLEASE FIND "GENERAL NOTES"

THE PORT AUTHORITY OF N.Y. & N.J.
TENANT CONSTRUCTION REVIEW UNIT
RECEIVED
FEB 20 1990
ALTERATION APPLICATION
W-4477 (1)
office copy

cc: E. Daly, T. O'Connor, A. Preschle, G. Wenger [redacted], [redacted], [redacted]l, [redacted] M. LOPRESTI, J. KAU

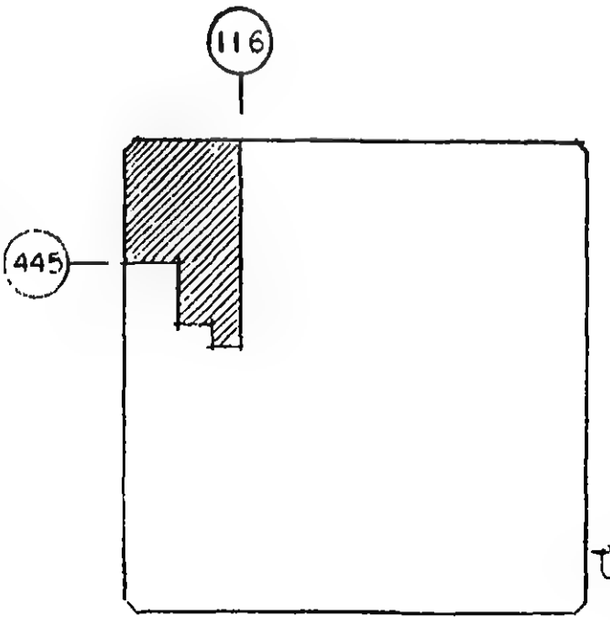
Signature	Title	Date
[signature]	Mgr. Construction & Tenant Services	2/16/90

WTCI-91-P

GENERAL NOTES

ONE WTC 90 FL.
SUITE 9057

DBS BANK



THE PORT AUTHORITY OF N.Y. & N.J.
TENANT CONSTRUCTION REVIEW UNIT
RECEIVED
FEB 20 1990
W-4477 (1)
ALTERATION APPLICATION

GENERAL NOTES

Table of Contents	Page Numbers
GENERAL CONDITIONS	1 to 3
DEMOLITION	4
PATCHING & CUTTING	5
PARTITIONS	5
CEILINGS	6
LIGHTING, ELECTRICAL, TELEPHONE	7 to 8
H.V.A.C	9
PLUMBING	9
CABINET WORK	10
DOORS, BUCKS & HARDWARE	10
PAINTING & WALLCOVERING	11
FLOOR COVERING	12
CHANGES IN THE WORK	13
CLEANING	13
TRANSPORTATION	13
CLAIMS FOR EXTRA WORK	13

PICO

PICO (USA), INC.

55 Walnut Street
Norwood, NJ 07648

1.0 GENERAL CONDITIONS

1.1 THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, STANDARD FORM OF THE AMERICAN INSTITUTE OF ARCHITECTS, CURRENT EDITION, SHALL APPLY TO ALL WORK IN THIS CONTRACT, EXCEPT AS SPECIFICALLY MODIFIED BELOW AND/OR BY THE AGREEMENT.

1.2 PRIOR TO BEGINNING ANY WORK, THE GENERAL CONTRACTOR SHALL FURNISH A CONSTRUCTION SCHEDULE SHOWING THE CHRONOLOGICAL PHASES OF HIS WORK, AND ALL RELATED WORK FOR THE COMPLETION OF THE PROJECT. THIS SCHEDULE SHALL INDICATE ALL ORDERING LEAD TIME, LENGTH OF TIME FOR EACH PHASE, ITS START AND COMPLETION, WITH A PROJECTED COMPLETION DATE.

1.3 ALL WORK PERFORMED BY THE CONTRACTOR/SUB-CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF MUNICIPAL, LOCAL OR FEDERAL AND STATE LAWS, AS WELL AS ANY OTHER GOVERNING REQUIREMENTS, WHETHER OR NOT SPECIFIED ON THE DRAWINGS.

1.4 WHERE THE CONTRACT, NOTES OR DRAWINGS CALL FOR ANY WORK OF A MORE STRINGENT NATURE THAN THAT REQUIRED BY THE BUILDING CODE OR ANY OTHER DEPARTMENT HAVING JURISDICTION OVER THE WORK, THE WORK OF THE MORE STRINGENT NATURE CALLED FOR BY THE CONTRACT; CONSTRUCTION NOTES OR DRAWINGS SHALL BE FURNISHED IN ALL CASES.

1.5 THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR THE REMOVABLE REPLACEMENT AND RECTIFICATION OF ALL DAMAGED AND DEFECTIVE MATERIAL AND WORKMANSHIP IN CONNECTION WITH THE CONTRACT WORK. HE SHALL REPLACE OR REPAIR AS DIRECTED BY PICO ALL SUCH DAMAGED OR DEFECTIVE MATERIALS WHICH SHALL APPEAR WITHIN A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.

1.6 THE CONTRACTOR/SUBCONTRACTOR SHALL OBTAIN AND PAY FOR ALL LEGALLY REQUIRED APPROVALS AND PERMITS NECESSARY FOR THE EXECUTION AND COMPLETION OF HIS WORK. (INCLUDING ALL FILING FEE) FORWARD COPIES TO PICO.

1.7 ALL PICO DRAWINGS AND ALL CONSTRUCTION NOTES ARE COMPLEMENTARY, AND WHAT IS CALLED FOR BY EITHER WILL BE BINDING AS IF CALLED FOR BY ALL. ANY WORK SHOWN OR REFERRED TO ON ANY ONE SET OF DRAWINGS SHALL BE PROVIDED AS THOUGH SHOWN ON ALL RELATED DRAWINGS.

1.8 THE GENERAL CONTRACTOR SHALL NOTIFY PICO IMMEDIATELY IF HE CANNOT COMPLY WITH ALL WORK CALLED FOR ON THESE DRAWINGS.

1.9 THE GENERAL CONTRACTOR SHALL NOTIFY PICO OF ANY DISCREPANCIES BETWEEN THE DRAWINGS, THESE NOTES, AND FIELD CONDITIONS BEFORE COMMENCING ANY WORK AND REQUEST CLARIFICATION.

1.10 BEFORE SUBMITTING A PROPOSAL, ALL CONTRACTORS SHALL VISIT THE PREMISES, FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF THE WORK AND THE DIFFICULTIES THAT ATTEND ITS EXECUTION.

1.11 THE SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIAL REQUIRED OR FOR DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE, WILL NOT BE RECOGNIZED.

1.12 EACH CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOBSITE.

1.13 ALL CONTRACTORS SHALL CONTACT THE BUILDING MANAGEMENT TO DETERMINE THE RULES OF THE BUILDING OWNER FOR CONSTRUCTION, TO DETERMINE WHEN AND HOW DELIVERIES CAN BE MADE (SEE BELOW), WHAT PHASES OF CONSTRUCTION CAN BE DONE ON REGULAR OR OVERTIME; AND IN GENERAL, ANY SPECIAL BUILDING REQUIREMENTS WHICH WILL AFFECT THEIR WORK. (IF OVERTIME WORK IS REQUIRED BY ANY TRADE, APPROVAL MUST BE OBTAINED PRIOR TO THE EXECUTION OF ANY WORK, INCLUDING COST.) THE GENERAL INTENT IS THAT ALL CONSTRUCTION WORK SHALL BE DONE ON REGULAR TIME EXCEPT NOISY WORK.

1.14 EACH CONTRACTOR SHALL MAKE ALL REQUIRED ARRANGEMENTS FOR DELIVERY OF EQUIPMENT AND/OR MATERIALS. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO CHECK THE RULES AND REGULATIONS GOVERNING WORK ON THE PREMISES, INCLUDING THE FOLLOWING:

(a) DATE AND TIME OF DELIVERY SHALL BE ESTABLISHED IN CONJUNCTION WITH THE PERSON HAVING JURISDICTION OVER PREMISES (OVERTIME CHARGES AND/OR ANY NECESSARY EXPENSE SHALL BE PAID BY CONTRACTOR REQUIRING SERVICE.

(b) BUILDING CONDITIONS, INCLUDING SIZE AND LOADING CAPACITY OF ELEVATORS, SIZE OF DOORWAYS, CORRIDORS, WINDOW OPENINGS, ETC., SHALL BE CHECKED FOR ITEMS BEING DELIVERED BY CONTRACTOR REQUESTING DELIVERY.

(c) ALL CHARGES INVOLVING THE INSTALLATION AND/OR OPERATION OF A HOIST SYSTEM, IF REQUIRED, SHALL BE BORNE BY THE CONTRACTOR USING THE SYSTEM. CHARGES INVOLVING THE TEMPORARY REMOVAL AND REINSTALLATION OF WINDOW SASH AND/OR FIXED PANELS REQUIRED FOR DELIVERY SHALL BE BORNE BY THE CONTRACTOR.

1.15 THE GENERAL CONTRACTOR, HIS SUBCONTRACTORS, AND ANY OTHER CONTRACTOR INVOLVED IN THIS PROJECT SHALL TAKE NOTE THAT ANY COST CAUSED BY DEFECTIVE OR ILL-TIMED WORK, AS A RESULT OF, BUT NOT LIMITED TO INFERIOR WORKMANSHIP OR MATERIALS, IMPROPER SCHEDULING OR DELINQUENT ORDERING SHALL BE BORNE BY THE PARTY RESPONSIBLE THEREFOR.

1.16 THE GENERAL CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS, BOTH FROM HIS OWN AND OTHER SUBCONTRACTORS EMPLOYEES, INCLUDING THAT RUBBISH WHICH IS A BY-PRODUCT OF CARPET AND CABINET INSTALLATION, TELEPHONE COMPANY INSTALLATION, ETC.

1.17 THE USE OF THE WORDS "PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED, IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT SUCH SHALL BE FURNISHED AND INSTALLED, AND CONNECTED WHERE SO REQUIRED.

1.18 WHERE THE TERMS "APPROVED EQUAL", "OTHER APPROVED", "EQUAL TO", "ACCEPTABLE" OR OTHER GENERAL QUALIFYING TERMS ARE USED IN THESE NOTES, IT SHALL BE UNDERSTOOD THAT REFERENCE IS MADE TO THE RULING AND JUDGMENT OF

1.19 THE GENERAL CONTRACTOR SHALL SUPPLY CUTS OF ALL FIXTURES AND EQUIPMENT CALLED FOR ON DRAWINGS, I.E., LIGHT FIXTURES, HARDWARE, ETC.

1.20 THE GENERAL CONTRACTOR SHALL SUBMIT ALL FABRICATION SHOP DRAWINGS AND FIXTURE CUTS TO PICO FOR APPROVAL. ALL SHOP DRAWINGS AND CUTS SIGNED "APPROVED" SHALL SUPERSEDE ORIGINATING DRAWINGS IN DESIGN APPEARANCE ONLY. CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ERRORS IN THEIR DRAWINGS.

1.21 ALL WOODWORK, BLOCKING, GROUNDS, ETC. TO BE FIREPROOF AS PER SECT. 7.2.3 and SECT. 10.9.1 THROUGH SECT. 10.9.2.9.

1.22 THE GENERAL CONTRACTOR SHALL EXERCISE STRICT CONTROL OVER JOB CLEANING TO PREVENT ANY DIRT OR DUST FROM LEAVING THE JOB SITE.

1.23 THE GENERAL CONTRACTOR SHALL PROPERLY PROTECT THE BUILDING MANAGEMENT'S AND ANY ADJOINING PROPERTY OR WORK AND ANY DAMAGE TO SAME CAUSED BY HIS WORK OR WORKMEN MUST BE MADE GOOD WITHOUT DELAY. PATCHING AND REPLACING OF DAMAGED WORK SHALL BE DONE BY THE CONTRACTOR WHO IS RESPONSIBLE FOR THE DAMAGE.

1.24 THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION FOR HIS WORK UNTIL TURNED OVER TO THE CLIENT.

1.25 THE GENERAL CONTRACTOR SHALL INCLUDE IN HIS ESTIMATE ALL COSTS (INCLUDING OVERTIME WORK) FOR REMOVAL, NEW INSTALLATION AND REINSTALLATION WORK FOR ANY PLUMBING, CEILING (TAKE-DOWN AND REINSTALLATION), ELECTRICAL, TELEPHONE, COMMUNICATIONS EQUIPMENT OR HVAC WORK ON CEILING PLENUM.

1.26 THE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND THE GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY TO THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT.

1.27 THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DRAWINGS ON FLOORS DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES.

1.28 THE GENERAL CONTRACTOR UPON ACCEPTANCE AND APPROVAL OF THE DRAWINGS ASSUMES FULL RESPONSIBILITY FOR THE CONSTRUCTION, MATERIALS AND WORKMANSHIP OF THE WORK DESCRIBED IN THESE NOTES AND DRAWINGS, AND HE WILL BE EXPECTED TO COMPLY WITH THE SPIRIT AS WELL AS THE LETTER IN WHICH THEY WERE WRITTEN.

1.29 THE GENERAL CONTRACTOR, SUBCONTRACTORS AND TENANT'S CONTRACTORS SHALL SUBMIT CERTIFICATES TO PICO UPON COMPLETION OF WORK, INCLUDING BUT LIMITED TO THE FOLLOWING:

(a) FIREPROOF WOOD TEST REPORT (IF REQUIRED)
(b) ELECTRICAL, PLUMBING AND AIR CONDITIONING CERTIFICATES ISSUED BY:
- DEPARTMENT OF WATER SUPPLY, GAS & ELECTRICITY
- BOARD OF FIRE UNDERWRITERS

1.30 ALL EXISTING APPURTENANCES NOT BEING REMOVED SHALL BE REFURBISHED WHERE REQUIRED, ANY LOOSE ITEMS TIGHTENED (CEILING EXIT SIGNS, ETC.) AND ANY MISSING PARTS REPLACED BY THE GENERAL CONTRACTOR TO ACHIEVE A FINISHED FIRST CLASS INSTALLATION AND APPEARANCE.

1.31 ALL REQUIRED EXITS, WAY OF APPROACH THERETO, AND WAY OF TRAVEL FROM THE EXIT INTO THE STREET SHALL CONTINUOUSLY BE MAINTAINED FREE FROM ALL OBSTRUCTIONS AND IMPEDIMENTS FOR UNOBSTRUCTED EGRESS IN THE CASE OF FIRE OR OTHER EMERGENCY.

1.32 DURING THE ENTIRE PERIOD OF DEMOLITION AND CONSTRUCTION, ALL EXISTING EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES AND ALARMS SHALL BE CONTINUOUSLY MAINTAINED.

1.33 WHERE OPENINGS OCCUR IN EXISTING FIRE RATED AREAS OR PARTITIONS DUE TO EXISTING OR NEW CONDUIT RUNS, DUCTWORK, CABLES, PIPING, ETC., AND/OR WHERE EXISTING FIREPROOFING HAS BEEN REMOVED AS A RESULT OF EXISTING OR NEW CONSTRUCTION WORK THE GENERAL CONTRACTOR SHALL CLOSE AND/OR PATCH AS REQUIRED ALL OPENINGS TO MATCH IMMEDIATE ADJACENT AREAS IN MATERIAL, FINISH AND FIRERATING.

1.34 THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL FIRE EXTINGUISHERS AS REQUIRED BY THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) BY FIRE DEPARTMENT REGULATIONS, AND AS SHOWN ON PICO DRAWINGS.

1.35 THE GENERAL CONTRACTOR SHALL REPLACE ALL BROKEN OR CRACKED WINDOW GLAZING. ALL WINDOW SASH SHALL BE INSPECTED BY THE CONTRACTOR AND ALL INOPERABLE CONDITIONS SHALL BE REPAIRED.

1.36 ALL BLINDS AND DRAPERY WORK SHALL BE BY OTHERS.

2.0 DEMOLITION

2.1 THE GENERAL CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS AS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED IN PICO DRAWINGS OR AS OTHERWISE DIRECTED BY PICO.

2.2 ALL EXISTING CARPET FLOORING, TACKLESS STRIPS AND CARPET UNDERLAYMENT SHALL BE REMOVED, EXCEPT AS NOTED.

2.3 THE GENERAL CONTRACTOR SHALL EXECUTE ALL WORK WITHIN THE REGULATIONS OF THE BUILDING FOR DEMOLITION AND REMOVAL OF DEBRIS, INCLUDING OVERTIME WORK REQUIRED.

2.4 ALL WORK DEMOLISHED SHALL BE REMOVED FROM THE PREMISES EXCEPT ITEMS TO BE REUSED OR RETURNED TO TENANT OR AS OTHERWISE DIRECTED.

2.5 THE GENERAL CONTRACTOR SHALL REMOVE ALL WALL CONDUITS LEFT AFTER WALL DEMOLITION, INCLUDING SWITCH BOXES, PLATES, BRIDGES, OR ANY OTHER TELEPHONE OR ELECTRICAL, WIRING AND EQUIPMENT.

2.6 IN ALL AREAS WHERE DEMOLITION (REMOVAL OF TILE, CARPETING, TACKLESS, PARTITIONS, ETC.) CAUSES AN UNEVENNESS IN SLAB, THE CONTRACTOR SHALL PATCH TO LEVEL THE SLAB TO RECEIVE NEW FINISHED FLOORING.

2.7 ALL EXPOSED LIGHT FIXTURES, WIRING, SWITCHES, AND METAL MOLDING NOT BEING REUSED SHALL BE REMOVED AND EITHER STORED OR CARTED AWAY BY THE GENERAL CONTRACTOR.

2.8 THE GENERAL CONTRACTOR SHALL ERECT ALL NECESSARY PLASTIC DROP CLOTH PARTITIONS TO PROJECT ADJACENT BUILDING PROPERTY WHILE DEMOLITION AND CONSTRUCTION ARE IN PROGRESS.

2.9 THE GENERAL CONTRACTOR SHALL AT ALL TIMES PROTECT THE PROPERTY OF THE BUILDING OWNER, INCLUDING BUT NOT LIMITED TO, WINDOWS, FLOOR AND CEILING TILE, PUBLIC TOILETS, ELEVATORS, DOORS, BUCKS, ELECTRICAL AND AIR CONDITIONING EQUIPMENT, CONVECTOR ENCLOSURES, ETC.

2.10 THE GENERAL CONTRACTOR SHALL FURNISH A SYSTEM OF TEMPORARY LIGHTS THROUGHOUT THE SPACE UNDER CONSTRUCTION AS REQUIRED.

2.11 THE GENERAL CONTRACTOR SHALL CAP AND FLUSH OFF BEHIND FINISH SURFACES ALL PROJECTING PLUMBING, FLOOR ELECTRICAL/TELEPHONE OUTLETS, AND ALL OTHER PROJECTING ITEMS WHICH ARE BEING ABANDONED.

2.12 UPON COMPLETION OF THE DEMOLITION WORK, THE GENERAL CONTRACTOR SHALL PROVIDE THAT ALL AREAS BE LEFT BROOM CLEAN.

3.0 PATCHING & CUTTING

3.1 THE GENERAL CONTRACTOR SHALL DO ALL CUTTING, FITTING AND PATCHING WORK THAT MAY BE REQUIRED TO MAKE ALL PARTS COME TOGETHER PROPERLY, AND FIT TO RECEIVE OR BE RECEIVED BY WORK OF OTHER CONTRACTORS SHOWN UPON OR REASONABLY IMPLIED BY THE DRAWINGS AND NOTES.

3.2 THE GENERAL CONTRACTOR SHALL PROVIDE ALL FLOOR CUT-OUTS AND PATCHING REQUIRED FOR THE INSTALLATION OF ALL WORK.

3.3 THE GENERAL CONTRACTOR SHALL SURVEY ALL EXISTING FINISHED SURFACES TO INCLUDE CORNER BEADS, STOPS, ETC. FOR CHIPS, CRACKS, HOLES, DAMAGED SURFACES, MARBLE WAINSCOTE AND PLASTER CEILING WHEREVER DOOR BUCKS HAVE BEEN REMOVED, AND ANY OTHER DEFECTS CAUSING AN APPEARANCE DIFFERENT FROM A NEW FIRST CLASS FINISHED INSTALLATION. THESE DEFECTIVE SURFACES SHALL BE REPAIRED, OR IF BEYOND REPAIRING, THEN THE GENERAL CONTRACTOR SHALL REMOVE ALL EXISTING AND INSTALL NEW SURFACES TO THE SATISFACTION OF PICO.

3.4 ALL OTHER DAMAGED SURFACES (FINISHED FLOOR SLAB, CONVECTOR ENCLOSURES, ETC.) SHALL BE REPAIRED TO THE SATISFACTION OF PICO.

3.5 THE GENERAL CONTRACTOR SHALL INSPECT ALL EXISTING PLASTER SURFACES AND WHERE AS A RESULT OF DEMOLITION, FINISHED SURFACES DO NOT ALIGN, THE EXISTING PLASTER SHALL BE CHOPPED AWAY. NEW CORNER BEADS AND STOPS INSTALLED AND SURFACE RE-PLASTERED TO A SMOOTH, FLUSH, ALIGNED SURFACE.

3.6 THE GENERAL CONTRACTOR SHALL METAL LATH OVER ALL NEW CONDUIT CHASES IN MASONRY PARTITION.

3.7 ALL DAMAGED EXISTING AREAS TO REMAIN AND EXISTING AREAS AFFECTED BY DEMOLITION OR NEW CONSTRUCTION WORK SHOWN ON DRAWINGS SHALL BE PATCHED AS REQUIRED TO MATCH IMMEDIATE EXISTING ADJACENT AREAS IN MATERIAL, FIRE RATING, FINISH AND COLOR, UNLESS OTHERWISE NOTED.

4.0 PARTITIONS

4.1 THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL PARTITIONS AS DESIGNATED ON PICO DRAWINGS.

4.2 THE GENERAL CONTRACTOR SHALL PROVIDE ALL LINE AND GRADE MARKINGS ON THE FINISH FLOOR OF ALL PARTITIONS FOR PICO APPROVAL.

4.3 UNLESS OTHERWISE NOTED, ALL DIMENSIONS FOR PARTITIONS ARE FROM FINISH TO FINISH.

4.4 WALLS SHOWN ALIGNED WITH BASE BUILDING STRUCTURE SHALL BE FLUSH AND SMOOTH WITH BASE BUILDING STRUCTURE UNLESS OTHERWISE INDICATED.

4.5 THE GENERAL CONTRACTOR SHALL USE CORNER BEADS AT ALL EXPOSED CORNERS AND EXPOSED ENDS IN PLASTER AND DRYWALL PARTITIONS.

4.6 ALL PARTITIONS SHALL BE ANCHORED FIRMLY AS PER MANUFACTURER'S SPECIFICATIONS AND AS REQUIRED BY NEW YORK CITY BUILDING CODE.

4.7 THE GENERAL CONTRACTOR SHALL SUPPLY ALL RAO (RETURN AIR OPENINGS) IN PARTITIONS ABOVE HUNG CEILINGS AS SHOWN ON H.V.A.C. ENGINEERING DRAWINGS.

4.8 THE GENERAL CONTRACTOR SHALL PROVIDE SUFFICIENT FRAMING FOR ALL WALL OPENINGS FOR DUCT WORK. RETURN AIR OPENINGS AND GRILLE OPENINGS ABOVE AND BELOW HUNG CEILINGS. THESE ARE TO BE COORDINATED WITH H.V.A.C. ENGINEERING DRAWINGS AND THE GENERAL CONTRACTOR'S MECHANICAL CONTRACTOR'S SHOP DRAWINGS. ALL OPENINGS SHALL BE PROPERLY SEALED FOR SOUNDPROOFING AND VIBRATION.

4.9 NEW DOORS IN ALL PARTITIONS SHALL BE SET 2'-0" FROM CENTER LINE OF DOOR TO IMMEDIATE ADJACENT WALL, UNLESS OTHERWISE NOTED.

4.10 THE GENERAL CONTRACTOR SHALL PROVIDE ALL RESILIENT FLOOR WITH BASE COVE AND STRAIGHT BASE IN CARPETED AREAS. CARPET ONLY WILL BE BY OTHERS.

5.0 CEILINGS

5.1 THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL NEW MINERAL ACOUTIC HUNG CEILING ONLY IN AREAS DESIGNATED ON PICO REFLECTED CEILING PLAN DRAWING.

5.2 FASCIAS OR ANY BREAK IN THE CEILING HEIGHTS CREATED BY THE INSTALLATION AND/OR ALTERATION OF HEATING, VENTILATING, AIR CONDITIONING OR MECHANICAL DUCTS, PIPING OR OTHER EQUIPMENT SHALL BE FORMED OF GYPSUM WALLBOARD ON FURRING CHANNELS.

5.3 HUNG CEILING HEIGHTS SHALL BE AS SHOWN ON PICO DRAWINGS AND DETAILS. ANY DEVIATION FROM HEIGHTS SHOWN WILL BE SUBMITTED TO PICO FOR APPROVAL.

5.4 THE GENERAL CONTRACTOR SHALL PROVIDE A 1'x2' TILE AND CUT SAME TO AVOID "SLIVER" PIECES AND INSTALL SAME IN EACH AREA WHEN AN ACOUSTIC CEILING TILE LINE-UP ENDS 2" OR LESS FROM A PARTITION.

5.5 THE GENERAL CONTRACTOR'S CEILING CONTRACTOR SHALL CLOSELY COORDINATE HIS WORK WITH THAT OF THE CABINET, PLUMBING, H.V.A.C., ELECTRICAL CONTRACTORS, AND THE TELEPHONE COMPANY WHEREVER THEIR RESPECTIVE WORK IS CONTIGUOUS.

5.6 THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL CEILING ACCESS TILE IN ACOUSTIC CEILINGS TO FURNISH ACCESS TO ALL AIR CONDITIONING, PLUMBING, TELEPHONE AND ELECTRICAL CONTROLS REQUIRING ACCESS.

5.7 PRIOR TO CLOSING UP ANY CEILING, ALL PLENUM SYSTEMS (H.V.A.C., PLUMBING AND ELECTRIC) SHALL BE INSPECTED AND WHERE REQUIRED, TESTED BY CONTRACTOR'S ENGINEERS, AND BY THE AUTHORITIES HAVING JURISDICTION TO INSURE THEIR PROPER INSTALLATION AND FUNCTION.

5.8 THE CEILING TILE JOINTS SHALL BE ALIGNED PERFECTLY WITH RECESSED LIGHTING FIXTURES.

5.9 ALL JOINTS IN THE TILE FIELD SHALL BE SQUARE, LEVEL AND PERFECTLY ALIGNED WITH EACH OTHER AND WITH THE RECESSED LIGHTING FIXTURES.

5.10 CEILINGS IN CLOSETS SHALL BE OF THE SAME HEIGHTS AND CONSTRUCTION AS THAT OF ADJOINING SPACE, EXCEPT AS OTHERWISE NOTED.

5.11 THE GENERAL CONTRACTOR SHALL PROVIDE CUTOUTS AND OTHER SPECIAL PROVISIONS IN ACOUSTICAL WORK AS REQUIRED FOR LIGHTING FIXTURES, REGISTERS, DIFFUSERS AND OTHER INSERTED ITEMS.

5.12 SUSPENDED CEILING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ADMINISTRATIVE CODE FOR FIREPROOF STRUCTURES.

5.13 THE GENERAL CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY AND ALL CEILING TILES WHICH ARE REMOVED TO FACILITATE TELEPHONE INSTALLATION.

5.14 THE GENERAL CONTRACTOR WILL NOT BE ENTITLED TO EXTRAS FOR OPENING ANY PARTITIONS, FLOORS OR CEILINGS BECAUSE OF TELEPHONE COMPANY'S INSTALLATION AND/OR SECURITY SYSTEMS.

6.0 LIGHTING ELECTRICAL TELEPHONE

6.1 THE GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHTING FIXTURES AND ELECTRICAL WORK AS SHOWN OR IMPLIED ON ALL DRAWINGS AND NOTES.

6.2 THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH MANUFACTURER'S SPECIFICATIONS.

6.3 THE WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, PUBLIC UTILITIES COMPANY, TELEPHONE COMPANY, AND ALL OTHER AUTHORITIES HAVING JURISDICTION.

6.4 ALL NEW MATERIALS REQUIRED SHALL CONFORM WITH THE STANDARDS OF THE UNDERWRITERS LABORATORIES, INC. IN EVERY CASE WHERE SUCH A STANDARD HAS BEEN ESTABLISHED FOR THE PARTICULAR TYPE OF MATERIAL IN QUESTION, UNLESS OTHERWISE NOTED.

6.5 PROPOSALS SHALL BE BASED UPON FURNISHING AND INSTALLING NEW LIGHTING FIXTURES AND REMOVING AND REINSTALLING EXISTING LIGHTING FIXTURES (INCLUDING NEW LAMPING) OF TYPES AND MANUFACTURERS AS INDICATED ON PICO , REFLECTED CEILING DRAWINGS.

6.6 ALL NEW FLUORESCENT LAMPS AND INCANDESCENT FIXTURES SHALL BE FURNISHED BY THE CONTRACTOR, UNLESS OTHERWISE NOTED. INCANDESCENT LAMP TYPES SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

6.7 ALL EXISTING RELOCATED AND EXISTING TO REMAIN FLUORESCENT FIXTURES SHALL BE REFURBISHED AS REQUIRED, CLEANED, RE-LAMPED.

6.8 ALL FLUORESCENT (NEW AND/OR EXISTING RELOCATED AND EXISTING TO REMAIN) FIXTURES SHALL BE PROVIDED WITH TYPE "P" BALLASTS AS REQUIRED BY NEW YORK CITY ELECTRIC CODE.

6.9 WHERE BEAMS, PIPES AND/OR DUCTS OR OTHER CONSTRUCTION DETAILS PREVENT THE USE OF STANDARD RECESSED FIXTURES, MATCHING SHALLOW RECESSED FLUORESCENT FIXTURES SHALL BE USED.

6.10 THE GENERAL AND ELECTRICAL CONTRACTORS SHALL CHECK ALL CEILING HEIGHTS AND CEILING PLENUM CONDITIONS FOR CLEARANCE OF DUCTWORK, LIGHTING AND OTHER OBSTRUCTIONS TO ASSURE THE FINISHED CEILING HEIGHT SHOWN ON PICO DRAWINGS. ANY DISCREPANCY WILL BE BROUGHT TO PICO ATTENTION IMMEDIATELY.

6.11 ALL RECESSED FIXTURES SHALL BE SET FLUSH INTO ACOUSTIC TILE CEILINGS.

6.12 THE ELECTRICAL CONTRACTOR SHALL SUBMIT CUTS OF ALL FIXTURES AS DIRECTED.

6.13 THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY ELECTRICAL OR LIGHTING INSTALLATION INTO CABINETWORK WITH CABINET CONTRACTOR IF AND AS REQUIRED.

6.14 THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TEMPORARY LIGHTING FOR ALL TRADES REQUIRED.

6.15 WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN GANG TYPE BOX UNDER ONE COVER PLATE.

6.16 ALL ELECTRICAL, TELEPHONE RECEPTACLES AND LIGHT FIXTURES SHALL BE LOCATED AS DIMENSIONED ON PICO PLANS.

6.17 ALL NEW OUTLETS ON COLUMNS WILL BE CENTERED ON FACE SHOWN, UNLESS OTHERWISE NOTED.

6.18 UNLESS OTHERWISE NOTED, ALL OUTLETS SIDE BY SIDE SHALL BE 8" FROM CENTER OF PLATE WITH POSITIONING DIMENSION CENTERED BETWEEN.

6.19 PROVIDE TELEPHONE OUTLETS (WHERE SHOWN ON "ELECTRICAL/TELEPHONE PLAN") AND ALL NECESSARY CONDUIT RUNS TO TELEPHONE EQUIPMENT AS REQUIRED.

6.20 ALL ELECTRICAL WORK SHALL BE COORDINATED WITH AIR CONDITIONING WORK; CABINETWORK, ALL PARTITION WORK, SECURITY SYSTEMS, ETC. WHERE REQUIRED.

6.21 ALL ELECTRICAL AND TELEPHONE WIRING CONDUIT SHALL BE CONCEALED IN DRYWALL, MASONRY PARTITION, AND/OR CEILING.

6.22 THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT SIZES FOR NEW TELEPHONE OUTLETS AS REQUIRED.

6.23 ALL TELEPHONE OUTLETS SHALL HAVE 1½" CUTOUT (OR AS OTHERWISE SHOWN) WITH RUBBER CROMMET.

6.24 THE ELECTRICAL AND/OR GENERAL CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING OF ALL CHASES IN FLOORS, WALLS, AND CEILINGS, AS REQUIRED.

6.25 PROVIDE NEW BLANKCOVER PLATES FOR EXISTING OUTLETS NOT BEING REUSED.

6.26 CONVENIENCE RECEPTACLES SHALL BE BUILDING STANDARD DUPLEX TYPE RATED 15 AMPERES, 125 VOLTS, GROUNDED TYPE.

7.0 H.V.A.C.

7.1 THE GENERAL CONTRACTOR SHALL PROVIDE ALL HEATING, VENTILATING AND AIR CONDITIONING ENGINEERING, AND WORK AS REQUIRED.

7.2 THE H.V.A.C. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD SUPERVISION OF ALL THEIR WORK DURING INSTALLATION AND SHALL INSPECT ALL SYSTEMS FOR PROPER OPERATIONS AT COMPLETION OF THE JOB.

7.3 SHOP DRAWINGS OF ALL REGISTERS INCLUDING ACCESS PANELS IF REQUIRED, SHALL BE SUBMITTED TO PICO FOR APPROVAL PRIOR TO PROCEEDING WITH FABRICATION AND/OR INSTALLATION OR RELOCATION.

7.4 INSTALLATION SHALL BE COORDINATED WITH ALL TRADES AS REQUIRED FOR PROPER ASSEMBLY. CEILING DIFFUSERS TO BE RELOCATED TO MAINTAIN NEW FIXTURE PATTERNS.

7.5 INTERIOR SPACES SHALL BE MECHANICALLY VENTILATED IN ACCORDANCE WITH THE ADMINISTRATIVE CODE. PLANS SHOWING MECHANICAL VENTILATION SYSTEM WILL BE FILED IN ACCORDANCE WITH THE RULES OF THE DEPARTMENT OF BUILDINGS.

7.6 THE H.V.A.C. ENGINEER WILL PROVIDE NECESSARY ENGINEERING DRAWINGS TO REWORK ALL EXISTING EQUIPMENT AND TO DETERMINE ALL NEW EQUIPMENT TO MEET THE ABOVE REQUIREMENTS.

7.7 THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER WIRING.

7.8 THE ELECTRICAL CONTRACTOR WILL COORDINATE HIS WORK WITH THE AIR CONDITIONING ENGINEER AND CONTRACTOR PRIOR TO EXECUTING HIS WORK.

7.9 ANY BUILDING SERVICE SHUT DOWNS REQUIRED FOR THIS WORK SHALL BE REQUIRED IN WRITING BY THE H.V.A.C. CONTRACTOR AT LEAST 72 HOURS IN ADVANCE OF THE SHUT DOWN. THE H.V.A.C. CONTRACTOR SHALL OBTAIN APPROVAL FROM ALL AUTHORITIES HAVING JURISDICTION PRIOR TO SHUT DOWN. ANY SHUT DOWN AFFECTING THE NORMAL H.V.A.C. SERVICE OF OTHER BUILDING OCCUPANTS SHALL BE DONE ON OVERTIME.

7.10 ALL EXISTING AIR CONDITIONING UNITS SHALL BE CLEANED AND NEW FILTERS PROVIDED.

7.11 BALANCING OF ENTIRE SYSTEMS SHALL BE DONE BY A QUALIFIED ENGINEER. SUBMIT REPORT TO PICO.

8.0 PLUMBING

8.1 THE GENERAL CONTRACTOR'S PLUMBING CONTRACTOR SHALL SUPPLY AND INSTALL ALL PLUMBING ROUGHING, FIXTURES AND ACCESSORIES SHOWN ON ALL CONSTRUCTION PLANS AND DETAIL DRAWINGS.

8.2 THE PLUMBING CONTRACTOR SHALL SUBMIT CUTS OF ALL NEW FIXTURES, FITTINGS AND ACCESSORIES TO PICO FOR APPROVAL.

8.3 THE PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH MANUFACTURER'S SPECIFICATIONS.

8.4 ALL EXISTING PLUMBING BEING ABANDONED SHALL BE CAPPED BEHIND EXISTING FINISHED SURFACES. EXISTING SURFACES SHALL BE PATCHED TO MATCH EXISTING SURROUNDING SURFACES IN MATERIAL AND FINISH. THE GENERAL CONTRACTOR SHALL ALSO INCLUDE IN HIS ESTIMATE AN ALTERNATE PRICE FOR WORK FOR CEILING REMOVAL AND REINSTALLATION REQUIRED FOR PLUMBING WORK IN CEILING PLENUM OF FLOOR BELOW TO COMPLETE WORK ON FLOOR BEING RENOVATED.

8.5 THE PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.

8.6 FURNISH ALL VALVES AS INDICATED ON THE DRAWINGS OR AS MAY BE REQUIRED FOR THE PROPER CONTROL OF THE VARIOUS APPARATUS AND PIPELINES INSTALLED UNDER THIS SECTION SO THAT ANY FIXTURES LINE OR PIECE OF APPARATUS MAY BE CUT OFF FOR REPAIR WITHOUT INTERFERENCE OR INTERRUPTION OF THE SERVICE TO THE REST OF THE BUILDING. ALL VALVES SHALL BE DESIGNED FOR REPACKING WHEN WIDE OPEN UNDER PRESSURE.

8.7 BEFORE BEING COVERED UP OR BUILT-IN ALL PIPING SHALL BE TESTED AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION.

9.0 CABINET WORK

9.1 THE GENERAL CONTRACTOR SHALL CLOSELY COORDINATE HIS WORK WITH THAT OF THE CABINET CONTRACTOR.

9.2 ALL CABINETRY ATTACHED TO PREMISES SHALL COMPLY WITH THE BUILDING CODE OF THE CITY OF NEW YORK.

9.3 ALL FINISHED CABINET WOOD AND FINISHES SHALL BE AS NOTED ON DETAIL DRAWINGS CONCERNED.

9.4 THE CABINET CONTRACTOR SHALL SHOP-PRIME ALL ITEMS SHOWN ON DETAIL DRAWINGS CONCERNED. THE CABINET CONTRACTOR SHALL FINISH ALL ITEMS CONCERNED.

9.5 ALL BLOCKING REQUIRED SHALL BE SCRIBED TO WALL OR CEILING. CABINET CONTRACTOR TO CHECK JOB PROGRESS AND COORDINATE WITH OTHER TRADES INVOLVED.

9.6 THE CABINET CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SAMPLES TO PICO.

9.7 THE CABINET CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE.

9.8 THE CABINET CONTRACTOR SHALL PROVIDE RUBBER BUMPERS ON ALL WOOD DOORS.

9.9 WHERE MEMBERS ARE MITERED OR BUTTED, THEY SHALL BE JOINED AND SECURED IN A MANNER TO INSURE AGAINST THE JOINT OPENING.

9.10 ALL FINISHED WORK SHALL, AS FAR AS PRACTICAL, BE ASSEMBLED AND FINISHED IN THE SHOP AND DELIVERED TO THE BUILDING READY TO ERECT IN PLACE.

9.11 ALL OF THE WORK SHALL BE FABRICATED, ASSEMBLED, FINISHED AND ERECTED IN THE BEST METHOD KNOWN TO THE CABINET TRADE. SURFACES AND ARISES SHALL BE TRUE, STRAIGHT AND FREE FROM ALL MACHINE AND TOOL MARKINGS, BRUISES, INDENTATIONS, CHIPS OR ABRASIONS.

9.12 ALL FINISHED VENEERED WOOD SHALL BE FREE FROM KNOTS, SHAKES OR OTHER DEFECTS AFFECTING EITHER DURABILITY OR APPEARANCE AND SHALL BE CAREFULLY SELECTED FOR GRAIN AND COLOR SO THAT THERE WILL BE NO MARKED VARIATION AT JOINTS BETWEEN VENEERS.

9.13 VENEERS ON WALL PANELING SHALL BE VERTICAL GRAIN, VENEERS SHALL BE OF SUFFICIENT LENGTH SO THAT HORIZONTAL JOINTS ARE NOT REQUIRED. PANELS ABOVE DOORS SHALL HAVE VENEERS EDGE MATCHED TO VENEERS ON DOORS. VENEERS ON DOORS AND WALL PANELS SHALL BE BOOK MATCHED, CENTER MATCHED IN SEQUENCE.

9.14 WHERE FILES ARE SHOWN AS BEING SET INTO CABINETWORK, THE CABINET CONTRACTOR SHALL SET AND BOLT ALL FILES TOGETHER.

10.0 DOORS, BUCKS & HARDWARE

10.1 THE GENERAL CONTRACTOR SHALL PROVIDE REQUIRED BUCK ASSEMBLIES AS SHOWN ON PICO DRAWINGS.

10.2 THE GENERAL CONTRACTOR SHALL PROVIDE FLUSH HOLLOW METAL DOORS AS SHOWN ON PICO DRAWINGS AND DETAILS.

10.3 ALL LOCK SETS SHALL BE CODED AND/OR KEYED IN ACCORDANCE WITH THE BUILDING REQUIREMENTS. CODES AND/OR KEYS ARE TO BE DELIVERED TO TENANT PROPERLY TESTED AND/OR TAGGED. PROVIDE THREE (3) MASTER KEYS AND THREE (3) PASS KEYS FOR EACH LOCK.

10.4 DETAILED HOLLOW METAL AND HARDWARE SCHEDULES SHALL BE SUBMITTED TO FOR APPROVAL, AND FABRICATION OF MATERIAL SHALL NOT BE COMMENCED UNTIL SUCH APPROVAL HAS BEEN RECEIVED.

11.0 PAINTING & WALLCOVERING

11.1 UNLESS OTHERWISE SPECIFIED ALL AREAS ARE TO BE PAINTED IN ACCORDANCE WITH FINISH PLANS.

11.2 WALLS SHALL INCLUDE SURFACES FROM FLOOR TO CEILING, INCLUDING PILASTERS, FASCIAS, JAMBS, BUCKS REVEALS, RETURNS, AND ALL VERTICAL SURFACES NOT INCLUDED IN CEILING.

11.3 CEILINGS FOR PAINT SHALL INCLUDE THE GENERAL SURFACE OF THE CEILING, BREAKS, DRAPERY, ETC.

11.4 PAINT COLORS SHALL BE SPECIFIED BY PICO AND THE GENERAL CONTRACTOR SHALL SUBMIT SAMPLES (12"X12") FOR APPROVAL BY PICO DOORS SHALL BE PAINTED A DIFFERENT COLOR FROM ADJACENT WALLS, UNLESS OTHERWISE NOTED.

11.5 ALL WALLS AND CEILINGS SHALL BE PROPERLY PREPARED, SPACKLED, SANDED, ETC. TO PROVIDE A PERFECTLY SMOOTH FINISH AND SURFACE.

11.6 ALL PERIPHERAL WINDOW CONVECTOR ENCLOSURES, WOOD SHELVING AND PAINTED DOORS SHALL HAVE SEMI-GLOSS FINISH. ALL BUCKS, WINDOW ENCLOSURES, TRIM AND WOOD SHELVING SHALL BE PAINTED THE SAME COLOR AS THE WALLS IN WHICH THEY OCCUR, UNLESS OTHERWISE NOTED AND SHALL BE IN SEMI-GLOSS FINISH.

11.7 ALL WALL AND COLUMN SURFACES SHALL BE SANDED FINISHED (TO MATCH EXISTING SURFACES) AND PAINTED WITH A FLAT FINISH PAINT. (UNLESS OTHERWISE NOTED.)

11.8 THE CONTRACTOR SHALL, UPON COMPLETION, REMOVE ALL PAINT FROM WHERE IT HAS SPILLED, SPLASHED OR SPLATTERED ON SURFACES, INCLUDING LIGHT FIXTURES, DIFFUSERS AND REGISTERS, SLAB FITTINGS, ETC. HE SHALL REMOVE ALL ELECTRICAL SWITCH PLATES AND OUTLET PLATES, SURFACE HARDWARE, ETC. BEFORE PAINTING, PROTECTING AND REPLACING SAME WHEN PAINTING HAS BEEN COMPLETED.

11.9 THE CONTRACTORS SHALL USE FLAT OIL OR ALKYD BASE PAINT IN COLORS SELECTED BY PICO HE SHALL PROPERLY PREPARE ALL SURFACES TO RECEIVE ONE (1) PRIME COAT AND TWO (2) FINISH COATS OF PAINT IN COLOR SELECTED BY

11.10 THE CONTRACTOR SHALL INSTALL WALLCOVERINGS WHERE DESIGNATED. ALL WALL COVERINGS SHALL BE SMOOTH, WITH NO WRINKLES, BUBBLES QR LOOSE EDGES. ALL PASTE AND BRUSH MARKS SHALL BE THOROUGHLY REMOVED. WALLCOVERING ADJOINING WOOD OR METAL TRIM SHALL BE CUT STRAIGHT AND SQUARE. ALL WORKMANSHIP WHICH IS NOT JUDGED TO BE FIRST QUALITY BY PICO WILL NOT BE ACCEPTED.

11.11 ALL EXISTING LOOSE PAINT SHALL BE REMOVED AND SPACKLED OR PLASTER PATCHED.

11.12 ALL EXISTING UNEVENNESS IN ALL PARTITIONS SHALL BE SANDED OR CHIPPED AWAY AND SURFACES PALSTER-PATCHED OR SPACKLED TO INSURE A PERFECTLY EVEN SURFACE. PICO SHALL APPROVE PRIOR TO THE APPLYING OF FINISH PAINT COAT.

11.13 THE PAINTING CONTRACTOR SHALL INCLUDE SEMI-GLOSS FINISH IN ALL SHOP-PRIMED WOODWORK IN HIS WORK, AS INDICATED ON DETAILS CONCERNED.

11.14 THE CONTRACTOR SHALL EXAMINE ALL AREAS OF CONSTRUCTION AFTER COMPLETION OF WORK BY ALL TRADES (INCLUDING TELEPHONE INSTALLATION, FLOORING, ETC.) AND APPROVE ALL NECESSARY "TOUCH-UP" PAINTING AND/OR PATCHING.

12.0 FLOOR COVERING

12.1 THE GENERAL CONTRACTOR SHALL FLASH PATCH ALL CRACKS, HOLES OR OTHER IMPERFECTIONS (PROJECTIONS SHALL BE REMOVED AND PATCHED) TO PROVIDE A CONTINUOUS SMOOTH FLOOR SURFACE.

12.2 THE GENERAL CONTRACTOR SHALL NOTIFY PICO AFTER ALL FLOOR PATCHING IS DONE AND RECEIVE THEIR APPROVAL PRIOR TO INSTALLATION OF FINISHED FLOORING.

12.3 ALL NEW FLOOR IS TO BE INSTALLED BY GENERAL CONTRACTOR AND SHALL BE 1/8" THICK VINYL , UNLESS OTHERWISE INDICATED.

12.4 ALL WORKMANSHIP SHALL BE OF THE BEST QUALITY AND WHEN THE WORK IS COMPLETE, IT SHALL BE FREE FROM BUCKLES, BUBBLES, OPEN JOINTS OR OTHER IMPERFECTIONS. SEAMS SHALL BE KEPT IN ACCURATE ALIGHNEMT ALONG BOTH COORDINATEW. TILE HAVING CHIPPED OR ROUNDED CORNERS WILL BE REJECTED AND IF LAID, SHALL BE REMOVED AND REPLACED WITH ACCEPTABLE TILE.

12.5 TILE SHALL BE LAID IN SQUARE PATTERN WITH COURSES PARALLEL TO WALLS, UNLESS OTHERWISE INDICATED ON DRAWINGS. THE TILE SHALL BE SECURELY CEMENTED AND SHALL BE LAID WITH TIGHT BUTT JOINTS. THE ADHESIVE USED FOR CEMENTING TILE SHALL BE APPLIED FAR ENOUGH IN ADVANCE OF THE TILE SETTING TO PERMIT THE ADHESIVE TO REACH ITS INITIAL SET BUT NOT ITS FINAL SET.

12.6 SPACES BEING SURFACES SHALL BE CLOSED TO TRAFFIC AND OTHER WORK DURING THE LAYING OF RESILIENT FLOORING.

12.7 ALL MASONRY WALLS AND DRYWALLS SHALL HAVE A 4" STRAIGHT BASE IN CARPETED AREAS AND A 4" BASE COVE IN TILE AREAS. (UNLESS OTHERWISE NOTED.)

12.8 BASE SHALL HAVE PERFORMED INTERNAL AND EXTERNAL CORNERS.

12.9 UPON COMPLETION, ALL WORK SHALL BE CLEANED BY THE CONTRACTOR, REMOVING ALL SPOTS OF ADHESIVE AND SURFACE STAINS AND ALL SCRAPS. CARTONS AND CONTAINERS SHALL BE REMOVED FROM THE BUILDING.

12.10 WHEN DIRECTED, AFTER CLEANING, THE GENERAL CONTRACTOR SHALL GIVE RESILIENT TILE FLOOR TWO (2) APPLICATIONS OF AN APPROVED NON-SLIP WAX WHICH IS TO BE THOROUGHLY MACHINE BUFFED AND LEFT IN CONDITION ENTIRELY SATISFACTORY TO

12.11 THE GENERAL CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE PROTECTION FOR ALL RESILIENT FLOORING WORK FOR THE DURATION OF THE CONTRACT, AND REMOVE ALL PROTECTION WHEN DIRECTED BY PICO.

13.0 CHANGES IN THE WORK

13.1 THE TENANT WITHOUT INVALIDATING THE CONTRACT, MAY ORDER EXTRA WORK OR MAKE CHANGES BY ALTERING, ADDING TO OR DEDUCTING FROM THE WORK, THE CONTRACT SUM BEING ADJUSTED ACCORDINGLY. ALL SUCH WORK SHALL BE EXECUTED UNDER THE CONDITIONS OF THE ORIGINAL CONTRACT EXCEPT THAT ANY CLAIM FOR EXTENSIONS OF TIME CAUSED THEREBY SHALL BE ADJUSTED AT THE TIME OF ORDERING SUCH CHANGE.

14.0 CLEANING

14.1 ALL "EXISTING TO REMAIN", EXISTING RELOCATED OR NEW ITEMS INSTALLED BY THE GENERAL CONTRACTOR IN ADDITION TO BEING AMPLY PROTECTED THROUGHOUT THE PERIOD OF CONSTRUCTION SHALL BE THOROUGHLY CLEANED TO THE SATISFACTION OF PICO PRIOR TO BEING TURNED OVER TO THE TENANT.

14.2 THE GENERAL CONTRACTOR SHALL THOROUGHLY CLEAN OUT ALL DEBRIS AND VACUUM CLEAN WITHIN THE RADIATOR ENCLOSURE BEFORE THESE UNITS ARE PAINTED OR A FINISH FLOOR INSTALLED.

14.3 THE GENERAL CONTRACTOR SHALL THOROUGHLY CLEAN BASE COVE AND STRAIGHT BASE; ALL VINYL WALLCOVERING INSTALLATION: ALL MAIL CHUTES: ALL DOORS AND CONVECTOR ENCLOSURES: ETC., PRIOR TO LEAVING THE JOB.

14.4 ALL BUILDING TOILETS SHALL BE THOROUGHLY CLEANED AND ALL DAMAGED OR MALFUNCTIONING ITEMS SHALL BE REPAIRED OR REPLACED TO ACHIEVE A FIRST CLASS TOILET INSTALLATION.

15.0 TRANSPORTATION

15.1 THE GENERAL CONTRACTOR AGREES TO PAY ALL TRANSPORTATION CHARGES ON ALL HIS MATERIAL OR EQUIPMENT TO THE POINT OF USE, AND SHALL BE RESPONSIBLE FOR ALL UNLOADING, CHECKING AND STORING OF SAME IN CONNECTION WITH THIS CONTRACT.

16.0 CLAIMS FOR EXTRA WORK

16.1 IF THE GENERAL CONTRACTOR CLAIMS THAT ANY REVISION TO DRAWINGS INVOLVE EXTRA COST UNDER THIS CONTRACT, HE SHALL GIVE PICO WRITTEN NOTICE THEREOF WITHIN A REASONABLE TIME AFTER RECEIPT OF SUCH INSTRUCTIONS, IN ANY EVENT BEFORE PROCEEDING TO EXECUTE THE WORK AND THE PROCEDURE SHALL THEN BE AS PROVIDED FOR IN THE CHANGES IN THE WORK. NO SUCH CLAIMS SHALL BE VALID UNLESS SO MADE. UNLESS OTHERWISE AGREED, NO PAYMENT ON SUCH BILLS WILL BE MADE UNTIL FINAL SETTLEMENT.

16.2 ALL CLAIMS FOR ADDITIONAL WORK WILL BE SUBMITTED IN WRITING FOR APPROVAL OF PICO AND SHOULD INCLUDE A COMPLETE DESCRIPTION OF THE WORK BEING PERFORMED, MATERIALS BEING USED, THE CONSTRUCTION SPACE NUMBER OF THE AREA BEING WORKED IN, AND THE AUTHORIZATION UNDER WHICH THE WORK IS BEING PERFORMED.

Glidden

PROTECTIVE MAINTENANCE COATINGS DATA

Latex Wall and Trim Paint

SPRED® Enamel—Latex Semi-Gloss No. 3700 Series

For Interior Wood, Wallboard, Plaster, Masonry & Metal

PRODUCT DESCRIPTION

A high-hiding, low luster interior coating formulated to provide all the advantages of top-quality latex enamel. It flows easily on walls, trim, woodwork and cabinets. Levels out smoothly, dries quickly with no unpleasant odor, adheres tightly.

This durable enamel possesses excellent resistance to scuffing and abrasion. It stays fresh and bright under repeated cleanings, even on often-scrubbed surfaces around doors, windows and baseboards. Retains its sheen and color for the life of the enamel. Ideal for use in residences, school and church buildings, hotels and motels, offices and warehouses. Particularly suited to bath and kitchen areas. Rinses easily from hands and painting tools with soapy water. Available in white, a variety of ready-to-use colors and tint bases for producing pastel, intermediate and deep shades when used in combination with Glidden DRAMATONE® Multi-Purpose Tinting Colorants. Apply by brush, roller or spray (conventional or airless).

SPECIFICATIONS

SPRED Enamel – Latex Semi-Gloss No. 3700 Series meets or exceeds the performance requirements of the Federal Specification listed below. These coatings do not necessarily meet the composition requirements of the specification.

PRODUCT	DESCRIPTION	FEDERAL SPEC. NO.
SPRED Enamel – Latex Semi-Gloss No. 3700	Latex Base, Semi-Gloss Paint, Type I (Interior)	TT-P-1511a and Amdt. 2

PRODUCT ADVANTAGES

- Cleans readily
- Tough and durable
- Rinses off hands, painting tools in soapy water
- Flows on easily
- Levels smoothly
- High hiding
- Low spatter

MATERIAL PREPARATION

Mix thoroughly before using. Thinning not usually required but if necessary to achieve satisfactory application may be thinned with water for spray application and for brush and roll.

SURFACE PREPARATION

Masonry Surfaces

Verify that all surface projections and mortar spatters have been leveled by grinding, stoning, or scraping and that mortar joints have been raked clean. Remove oil, grease, dirt, dust and chemicals with prescribed cleaning methods. See Glidden Maintenance Coatings Data Sheet "Surface Preparation" No. 3 for more details. Masonry block should be filled free of voids, pinholes.

Wood Surfaces

Sand smooth and apply primer as specified. Holes, splits and scratches should be spackled smooth after applying the primer. See Glidden Maintenance Coatings Data Sheet "Surface Preparation" No. 9 for more details.

Plaster Surfaces

Plaster nibs should be scraped and sanded smooth. Cracks should be spackled, smoothed and sealed. No paint or sealer should be applied on plaster when moisture content exceeds 8% as determined by a reliable electronic moisture meter. See Glidden Maintenance Coatings Data Sheet "Surface Preparation" No. 8 for more details.

TECHNICAL DATA

Product No.—Y-3725

Generic Type—Latex

Color—White-High Hiding

Sheen or Gloss—25-35 at 60°

Percent Solids by Weight—50.5%

Percent Solids by Volume—38.9%

Theoretical Coverage per One Mil Dry (2.6 Mils Wet)—624 sq. ft./gal.

Recommended Coverage (Calculated) 1.4 Mils Dry (3.6 Mils Wet)—445 sq. ft./gal.
When computing working coverage, allow for application losses, surface irregularities, etc.

Percent Vehicle (Solids) by Weight—28.0%

Percent Pigment by Weight—22.5%

Percent Solvent by Weight—49.5%

Viscosity—108 (±5) KU

Weight per Gallon—10.3 lbs.

Drying Time—
Touch—2-4 hrs.
Recoat—overnight

Reduction Solvent—Water

Clean-up Solvent—Water

Type of Cure—Coalescence

Tinting—Will accept DRAMATONE® Colorants at a maximum level of 4 oz./gal. This product is included in the COLOR NATURALS® System.

Latex Interior Finish

SPRED® ULTRA™ Eggshell Latex Wall & Trim Paint No. 4100 Series

For Interior Wood, Wallboard, Plaster, Masonry & Metal

PRODUCT DESCRIPTION

SPRED ULTRA Eggshell is a professional quality, water reducible latex paint particularly well suited for interior walls, woodwork, ceilings and trim in residential, institutional and commercial structures. It is a premium product. The attractive finish is extremely durable, resists scuffing, burnishing, staining and abrasion and is completely scrubbable 30 days after application using mild detergents.

PRODUCTS AVAILABLE

No. 4100 White Tint Base
No. 4118 Pastel Tint Base
No. 4125 High-Hiding White
No. 4187 Intermediate Tint Base
No. 4180 Deep Tint Base
Ready-Mixed Colors

PRODUCT ADVANTAGES

- High-hiding
- Extremely durable
- Resists scuffing and burnishing
- Stain and abrasion resistant
- Completely scrubbable
- Low spatter

SERVICE CONDITIONS

In-service temperature limit is 200°F. on a continuous basis. The color may change, depending upon pigmentation, but the film will remain intact.

MATERIAL PREPARATION

Mix thoroughly before using. Ready for use for most applications, but may be thinned slightly with water to obtain desired working properties.

NOTE: DRAMATONE® MULTI-PURPOSE COLORANT MUST BE ADDED TO TINT BASES BEFORE APPLICATION.

SURFACE PREPARATION

All substrates must be internally dry and the surface cleaned free of all contaminants. Patch holes and cracks with No. 3475 SPRED PATCH® Latex Patching Compound. Do not use putty, caulking compound, patching pencils or masking tape.

Previously Painted Surfaces

Clean and patch. Dull glossy paint with No. 66 SPRED PREP® Liquid Surface Conditioner or sandpaper. Spot prime patched areas with the primer recommended below for specific surfaces.

New Wallboard (Drywall, Hardboard) Surfaces

Prime with this product thinned 8 parts of paint to one part of water or with No. 5111 SPRED ULTRA Primer-Sealer. Allow to dry two hours.

Plaster & Masonry Surfaces

Fill masonry block with No. 1952 Filler-Block-Sealer or No. 5317 ULTRA-HIDE Acrylic Block Filler. Allow No. 1952 to dry 8 hours minimum. Allow No. 5317 to dry 4 hours. Prime plaster, concrete, or brick with this product thinned 8 parts of paint to one part water or with No. 5019 ULTRA-HIDE or No. 5111 SPRED ULTRA Primer-Sealers. Allow to dry 3 hours.

TECHNICAL DATA

Product No.—Y-4125

Generic Type—Latex

Color—White

Sheen—Approximately 25-35 @ 85°

Gloss—Approximately 15-30 @ 60°

Percent Solids by Weight—55.0%

Percent Solids by Volume—38.7%

Theoretical Coverage per One Mil Dry (3.0 Mils Wet)—622 sq. ft./gal.

Recommended Coverage (Calculated) 1.6 Mils Dry (4.0 Mils Wet)—400 sq. ft./gal.
When computing working coverage, allow for application losses, surface irregularities, etc.

Percent Vehicle (Solids) by Weight—20.6%

Percent Pigment by Weight—34.4%

Percent Solvent by Weight—45.0%

Viscosity—89-93 KU

Weight per Gallon—11.46 lbs.

Flash Point—Closed Cup 205°F.

Drying Time—(Normal 70°F., 50% R.H.)
Touch—30 Min.
Recoat—4 Hrs.

Reduction Solvent—Water

Clean-Up Solvent—Water

Type of Cure—Coalescence

Tinting—Use tint bases for colors.

BRIAR
64800-C
PRODUCT CODE
881650
PROFESSIONAL
COLOR 79-29

STRIPPABLE SCRUBBABLE
FABRIC BACKED VINYL WALLCOVERING
PRE-TRIMMED WIDTH 28" (71.12 cm)
RANDOM MATCH
TYPE 1 CCC-W-408 UL RATED
USE PRE-MIXED VINYL ADHESIVE
REVERSE EVERY OTHER
STRIP WHEN APPLYING
SEE FLYLEAF FOR SPECIFIC HANGING
INSTRUCTIONS FOR THIS PATTERN

NATURAL PATTERN
SEE INSIDE FRONT COVER

CIRCLE

RESOURCE 28"

ZIP CODE
62710-B

STRIPPABLE SCRUBBABLE
FABRIC BACKED VINYL WALLCOVERING
PRE-TRIMMED WIDTH 28" (71.12 cm)
VERTICAL REPEAT 1" (2.5 cm)
STRAIGHT ACROSS MATCH
TYPE 1 CCC-W-408 UL RATED
USE PRE-MIXED VINYL ADHESIVE
PRODUCT CODE PROFESSIONAL
881632 COLOR 79-37

RESOURCE 20"

SAHARA

60016-C

STRIPPABLE SCRUBBABLE
FABRIC BACKED VINYL WALLCOVERING
PRE-TRIMMED WIDTH 28" (71.12 cm)
RANDOM MATCH
TYPE 1 CCC-W-408 UL RATED
USE PRE-MIXED VINYL ADHESIVE
REVERSE EVERY OTHER
STRIP WHEN APPLYING
SEE FLYLEAF FOR SPECIFIC HANGING
INSTRUCTIONS FOR THIS PATTERN

PRODUCT CODE	PROFESSIONAL
881666	COLOR 79-06

SPECIFICATIONS

	COMMERCE	DELTA 20 & 26	
FIBER	100% Amoco XXV BCF Olefin	100% Amoco XXV BCF Olefin	100% Amoco XXV BCF Olefin
YARN SIZE	3000 Denier	3000 Denier	3000 Denier
PRIMARY BACKING	Woven Polypropylene	Woven Polypropylene	Woven Polypropylene
SECONDARY BACKING	ActionBac®	ActionBac®	ActionBac®
PILE WEIGHT	24 Oz.	20 Oz.	26 Oz.
PILE HEIGHT	7/32 Inch	5/32 Inch	7/32 Inch
STITCH GAUGE	1/10	1/10	1/10
STITCH RATE PER INCH	33 Per Three	10	11.3
WEIGHT DENSITY	85,118	92,308	156,000
AVERAGE DENSITY	3,863	4,818	6,000
STATIC CONTROL	Permanent	Permanent	Permanent
NORMAL ROLL SIZE	150 Ft.	150 Ft.	150 Ft.
TOTAL WEIGHT/YD.²	58 Oz.	46 Oz.	54 Oz.
WIDTH	12 Ft.	12 Ft.	12 Ft.
WARRANTY	Ten Year Limited Wear	Ten Year Limited Wear	Ten Year Limited Wear
TESTING AND CERTIFICATION			
DOC-FF-1-70 Methenamine Pill Test	Passes	Passes	Passes
ASTM E-84 Steiner Tunnel Test NFPA Class		B	B
ASTM E-648 Flooring Radiant Panel Test Class		II	II
HUD/FHA UM44d Standards and Requirements Approved	Type I & II Class I	Type I & II Class I	Type I & II Class 2
NBS SMOKE DENSITY (DMC) Flaming		283	190

SPECIAL NOTES: 22 Oz., 24 Oz. and 28 Oz. available special order in 300 ft. minimums.
SPECIAL BACKINGS: High tuft bind unitary backing is available in 300 ft. minimums at a small upcharge.
SPECIAL WIDTHS: 15 ft. width is available. Minimum order per color is 2000 lineal feet (3300 square yards).
SPECIAL WEIGHTS: Contact manufacturer for details. Minimum order 400 ft. per color. Special charges may apply.

NOTE: Chair pads are necessary under office chairs with roller casters to preserve appearance retention, act as a deterrent toward delamination and to avoid premature or accelerated wear out.

10 YEAR LIMITED WEAR WARRANTY

The manufacturer warrants its carpet for residential and commercial use against excessive surface wear, as hereafter defined, for a period of ten (10) years. This warranty extends only to the original purchaser and it commences on the date of proper installation. If the surface pile of the carpet wears more than twenty percent (20%) in ten (10) years, the manufacturer will either furnish replacement carpet of equivalent quality for the affected area at no charge, excluding installation, or repair the defect.

This warranty is nontransferable and applies only to carpeting (excluding stairs) and does not extend to tears, pulls, cuts, pilling, burns, matting, crushing or damage due to improper cleaning agents or methods or lack of protection under roller caster chairs or other damage resulting from negligence, improper use or natural disaster.

To obtain performance of this warranty obligation, the customer must send proof of purchase, showing the name of the dealer/contractor, the carpet style and the date it was installed to the manufacturer, who must be allowed at its discretion, a reasonable opportunity to inspect and verify the surface wear.

THE ABOVE WARRANTIES AND REMEDIES ARE IN LIEU OF ANY REMEDIES FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES AND THESE DAMAGES ARE HEREBY EXCLUDED.

Some states do not allow limitations on how long an implied warranty may last or the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

All Glass Doors

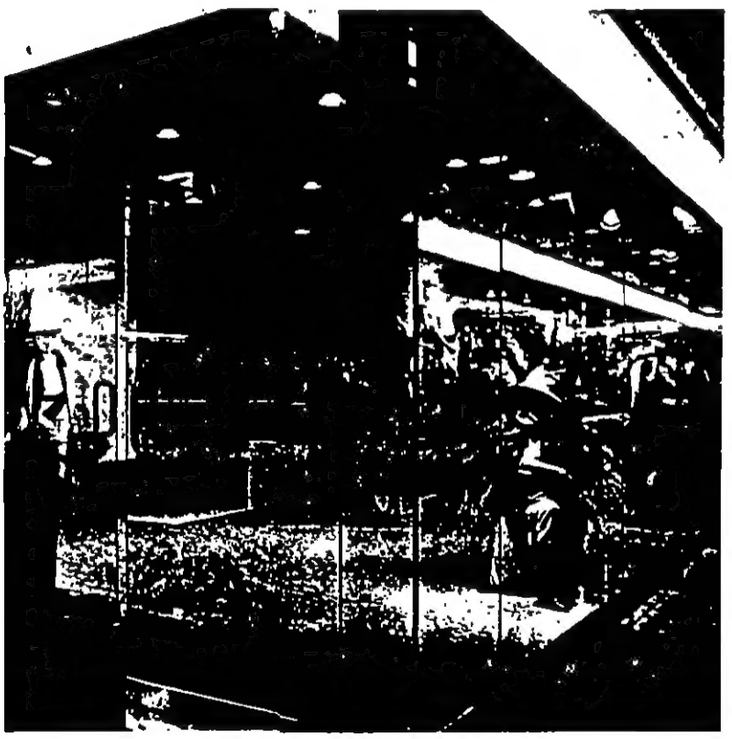
Falconer Glass Industries

Falconer Glass Industries is an independent fabricator and processor of flat architectural glass products. Dating from 1900 as a regional mirror manufacturer, Falconer Glass Industries has diversified into many other products. These products include mirrors, tempered, heat strengthened and spandrel glass, insulating and slope glazing glass, and structural glass systems. Laminated glass types include accoustical, burglar and bullet resistant, and glass clad polycarbonates.

The parent company, Falconer Glass Industries Inc. is located at Falconer, New York. Falconer-Lewistown, a wholly owned subsidiary is located at Lewistown, Pennsylvania.

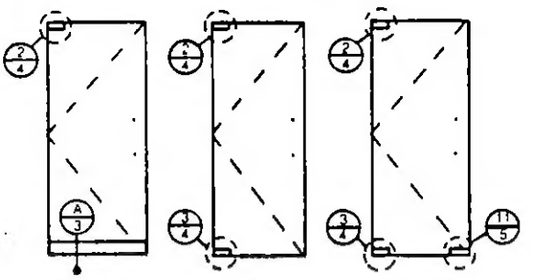
A large fleet of company owned tractor trailers make weekly deliveries to customers and job sites throughout the United States.

Falconer Glass has an experienced team of regional sales managers, representatives, sales engineers, and sales/service correspondents to serve your needs. Please contact the company directly regarding technical assistance, budget costs, suggested details, and specifications. Due to the custom nature of the business, our literature can only begin to represent our capabilities. Please call or write regarding any specific needs or questions.



Falconer Door Styles

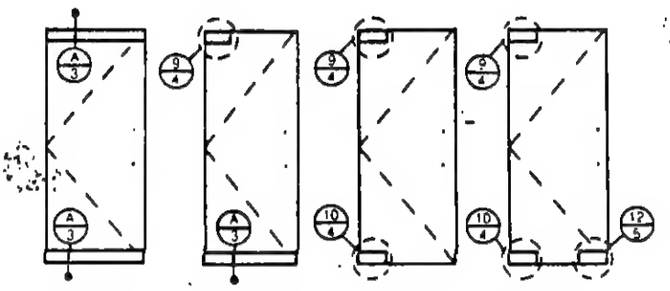
Designer patches are smaller and present less metal intrusion in the opening but must be used with specific pivot & closer packages.



Type BP Designer Door

Type A Designer Door

Type F Designer Door



Type P Standard Door

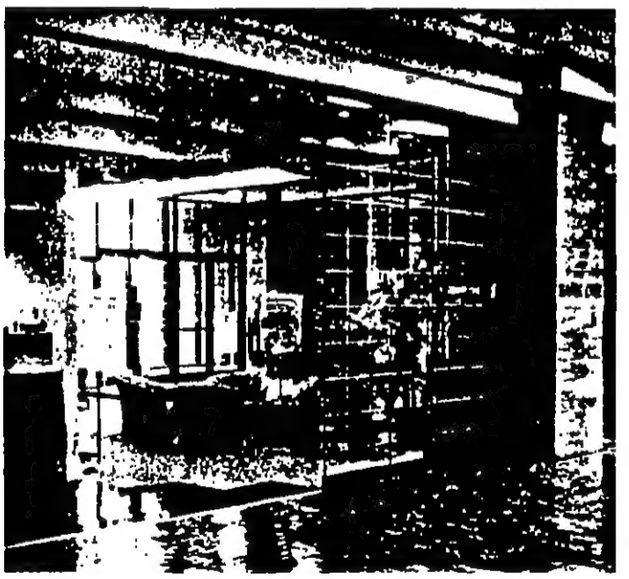
Type BP Standard Door

Type A Standard Door

Type F Standard Door

Decorated All Glass Entrances

Doors may be customized with sandblasted designs or permanent ceramic color designs. Corporate logos, company names, coat of arms, etc., are available in single or multiple-colored designs.

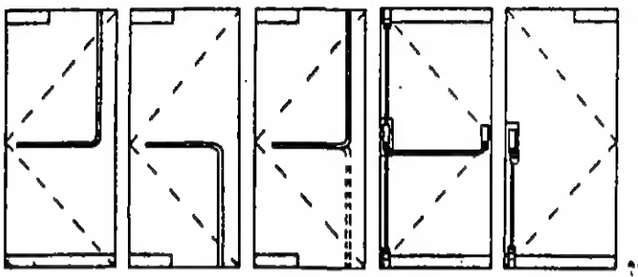


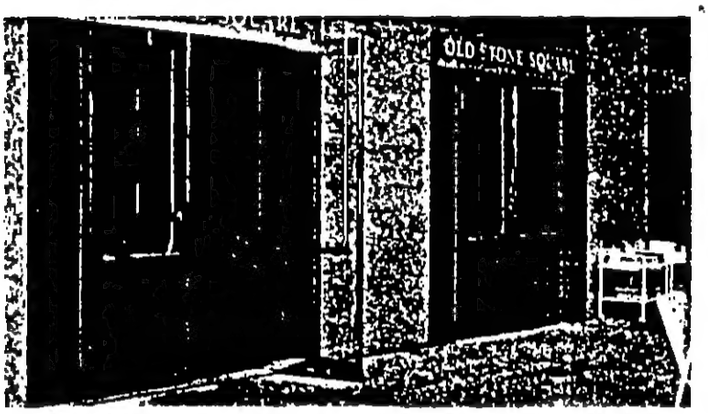
Component Parts for All Glass Doors

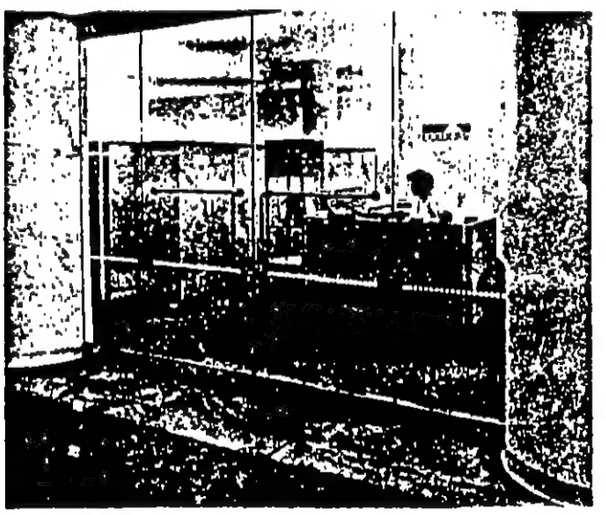
Panic Exit Devices

Panic exit devices can be incorporated into virtually any style door. Tubular, concealed mechanism panics can be used as well as standard exposed mechanism designs.

They're available with sill latch, head latch, combined latch or rim latch design and in a variety of hardware finishes. Please contact factory for design assistance and availability.

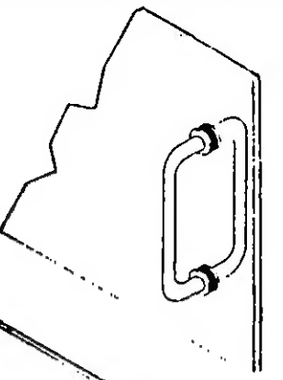




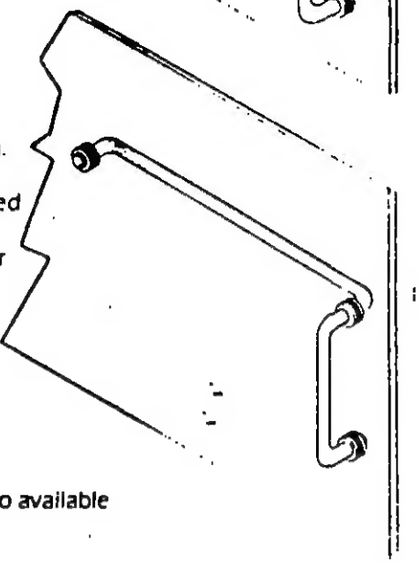


Push-pull Handles

Type G Handle
12" on center
1" standard diameter



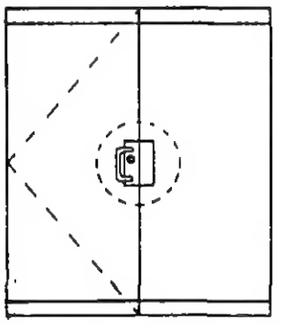
Type G2 Handle
Center to center dim.
Vertical (12")
Horizontal determined by door width
1" standard diameter

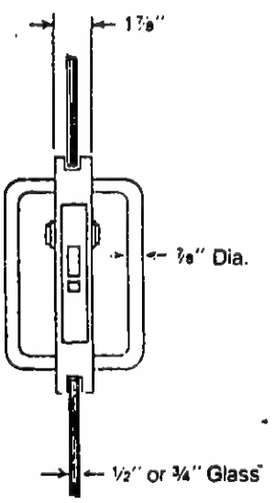


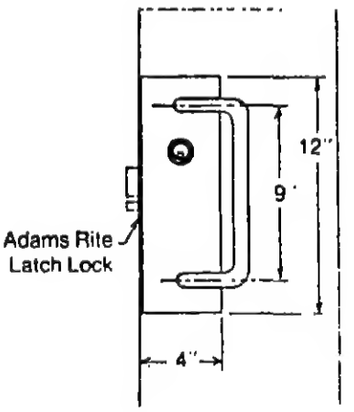
Note:
Type H Push-pull also available

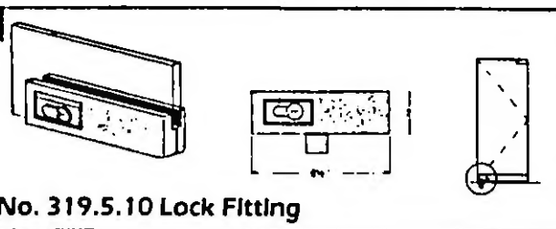
Center-Housing with Offset Handles

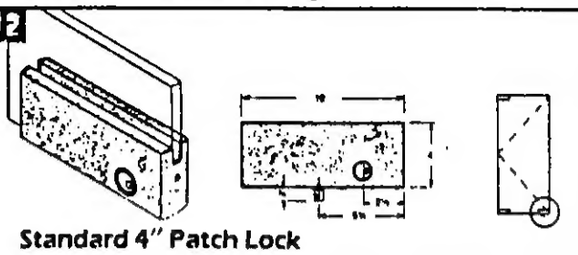
Center housings can be made to accommodate almost any type hardware. Standard center housing is shown — contact factory for special design needs.

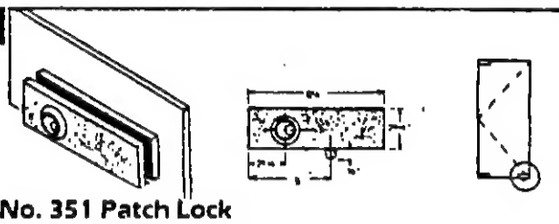


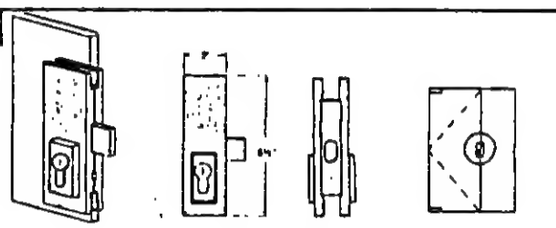


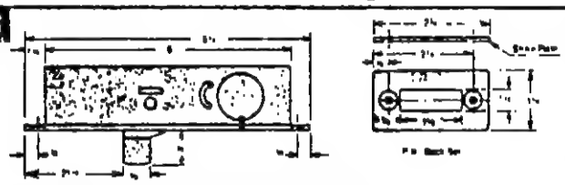


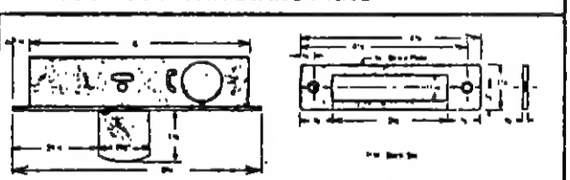
11

No. 319.5.10 Lock Fitting

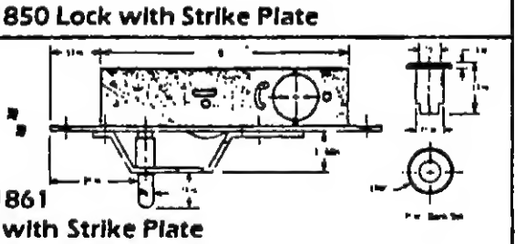
12

Standard 4" Patch Lock

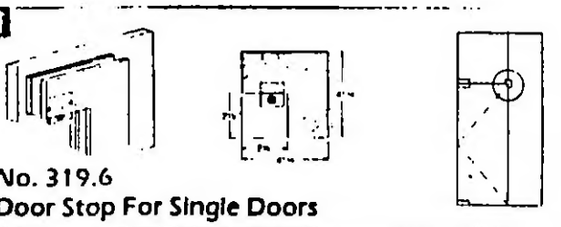
13

No. 351 Patch Lock

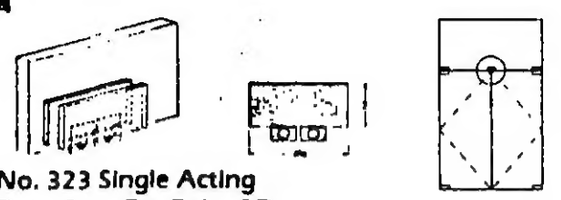
14

No. 319.5.10 Jamb Lock Fitting

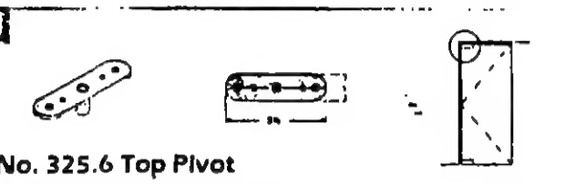
15

No. 1830 Lock with Strike Plate

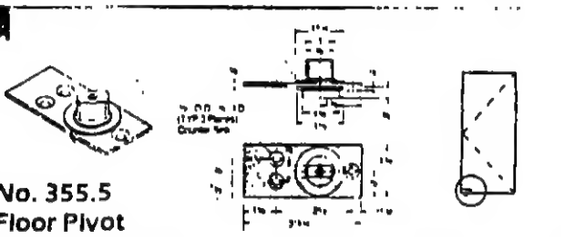
16

No. 1850 Lock with Strike Plate

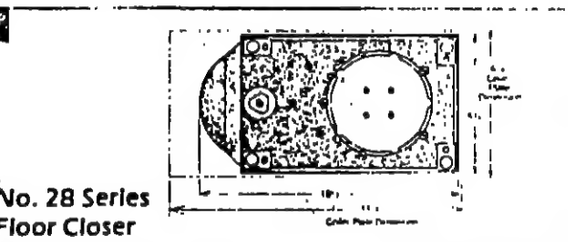
17

No. 1861
Lock with Strike Plate

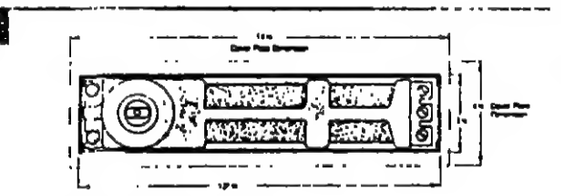
18

No. 319.6
Door Stop For Single Doors

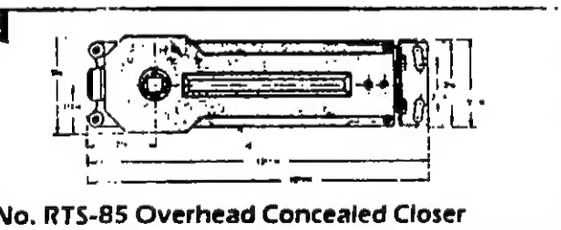
19

No. 323 Single Acting
Door Stop For Pair of Doors

20

No. 325.6 Top Pivot

21

No. 355.5
Floor Pivot

22

No. 28 Series
Floor Closer

23

No. BTS-80 Floor Closer

24

No. RTS-85 Overhead Concealed Closer